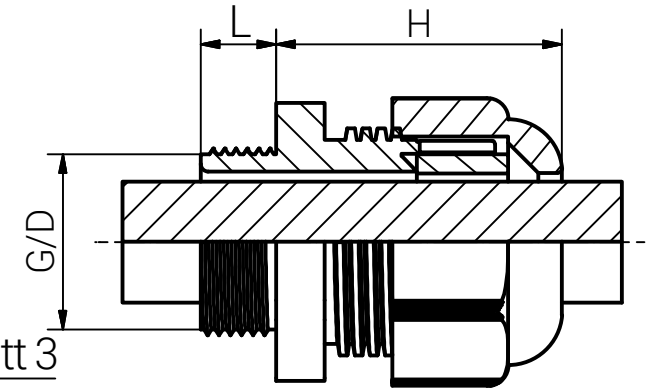
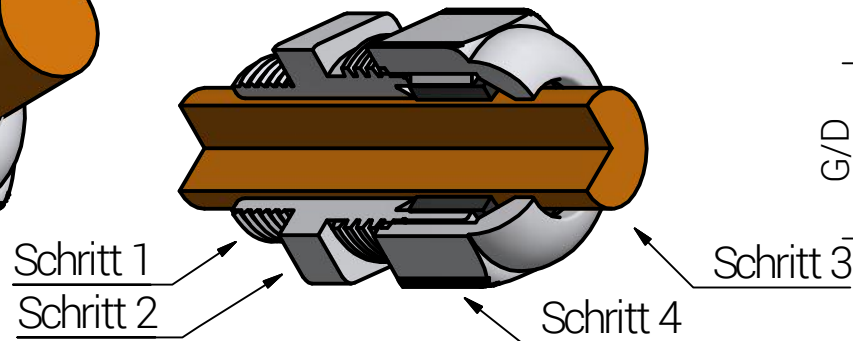
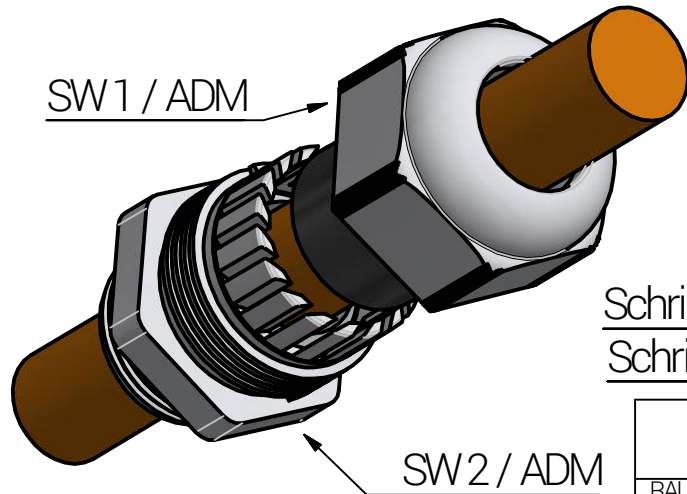


# Montageanleitung



| Artikel  |          |          | Gewinde<br><br>G | Klemmbereich<br>(mm) |      | SW1<br>(mm) | SW2<br>(mm) | L<br>(mm) | H<br>max.<br>(mm) | D<br>(mm) | Durchgangs-<br>bohrung<br>(mm) | Anzugsdreh-<br>moment (Nm)<br>ADM |         | Kategorie der<br>Schlagein-<br>wirkung |
|----------|----------|----------|------------------|----------------------|------|-------------|-------------|-----------|-------------------|-----------|--------------------------------|-----------------------------------|---------|----------------------------------------|
| RAL7035  | RAL7001  | RAL9005  |                  | ≥                    | ≤    |             |             |           |                   |           |                                | Hutmutter                         | Stutzen |                                        |
| 11080512 | 12080512 | 13080512 | M12x1,5          | 3,0                  | 6,5  | 15          | 15          | 8,0       | 23,0              | 12,0      | 12 (0/+0,2)                    | 2,0                               | 2,0     | 2                                      |
| 11084516 | 12084516 | 13084516 | M16x1,5          | 4,0                  | 8,0  | 19          | 19          | 8,0       | 25,0              | 16,0      | 16 (0/+0,2)                    | 2,5                               | 2,5     | 2                                      |
| 11080516 | 12080516 | 13080516 | M16x1,5          | 5,0                  | 10,0 | 22          | 22          | 10,0      | 30,0              | 16,0      | 16 (0/+0,2)                    | 2,5                               | 2,5     | 2                                      |
| 11080520 | 12080520 | 13080520 | M20x1,5          | 6,0                  | 12,0 | 24          | 24          | 10,0      | 29,5              | 20,0      | 20 (0/+0,2)                    | 4,0                               | 3,5     | 2                                      |
| 11080522 | 12080522 | 13080522 | M20x1,5          | 10,0                 | 14,0 | 27          | 27          | 10,0      | 31,0              | 20,0      | 20 (0/+0,2)                    | 5,5                               | 3,5     | 2                                      |
| 11084525 | 12084525 | 13084525 | M25x1,5          | 11,0                 | 17,0 | 29          | 29          | 8,0       | 35,0              | 25,0      | 25 (0/+0,2)                    | 5,5                               | 3,5     | 4                                      |
| 11080525 | 12080525 | 13080525 | M25x1,5          | 13,0                 | 18,0 | 33          | 33          | 10,0      | 37,0              | 25,0      | 25 (0/+0,2)                    | 9,0                               | 3,5     | 4                                      |
| 11084532 | 12084532 | 13084532 | M32x1,5          | 15,0                 | 21,0 | 36          | 36          | 10,0      | 42,0              | 32,0      | 32 (0/+0,2)                    | 6,0                               | 5,0     | 4                                      |
| 11080532 | 12080532 | 13080532 | M32x1,5          | 18,0                 | 25,0 | 42          | 42          | 15,0      | 41,0              | 32,0      | 32 (0/+0,2)                    | 10,0                              | 5,0     | 4                                      |
| 11084540 | 12084540 | 13084540 | M40x1,5          | 19,0                 | 28,0 | 46          | 46          | 10,0      | 47,0              | 40,0      | 40 (0/+0,2)                    | 11,0                              | 5,0     | 4                                      |
| 11080540 | 12080540 | 13080540 | M40x1,5          | 22,0                 | 32,0 | 53          | 53          | 18,0      | 51,5              | 40,0      | 40 (0/+0,2)                    | 20,0                              | 5,0     | 4                                      |
| 11080550 | 12080550 | 13080550 | M50x1,5          | 30,0                 | 38,0 | 60          | 60          | 18,0      | 53,0              | 50,0      | 50 (0/+0,2)                    | 20,0                              | 8,0     | 4                                      |
| 11080563 | 12080563 | 13080563 | M63x1,5          | 34,0                 | 44,0 | 65          | 65          | 18,0      | 53,0              | 63,0      | 63 (0/+0,2)                    | 20,0                              | 12,0    | 4                                      |
| 11080575 | 12080575 | 13080575 | M75x2,0          | 48,0                 | 55,0 | 75          | 80          | 25,0      | 55,0              | 75,0      | 75 (0/+0,2)                    | 30,0                              | 30,0    | 4                                      |



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Unless otherwise specified on the drawing:  
Metric Thread = EN 60423  
PG Thread = DIN 40430  
NPT Thread = ANSI B1.20.1  
Tolerance: DIN ISO 2768-m  
All dimensions in mm.

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| Schritt | Montageschritt<br>(Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)   |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren.                                                                             |
| 2       | Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen. |
| 3       | Kabel durch die Kabelverschraubungen führen.                                                                                                                              |
| 4       | Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.                                                |

Durchmesser des Montagelochs:  
- Gewindebohrung gemäß EN 60423  
- Durchgangsbohrung siehe Tabelle.

Zugentlastung gemäß EN 62444: 2013  
- Klemmbereich 2-4 mm = Rückhaltevermögen  
- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen  
- Rest = Kategorie A

IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66\*.  
\*Mit Flachdichtung

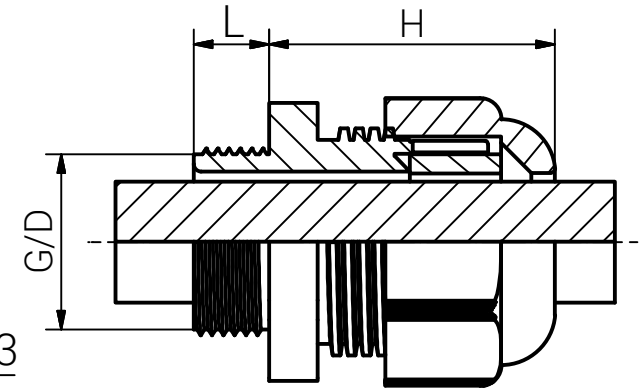
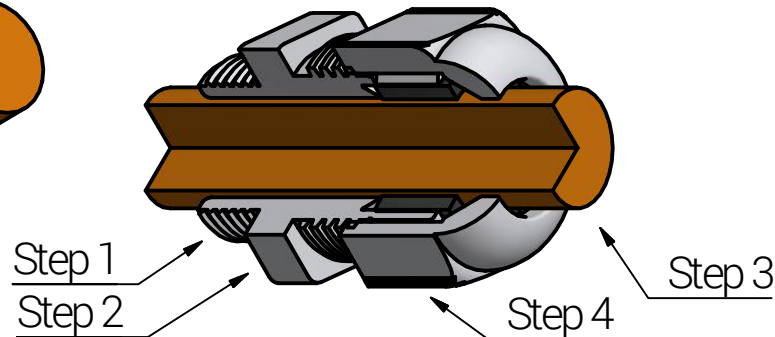
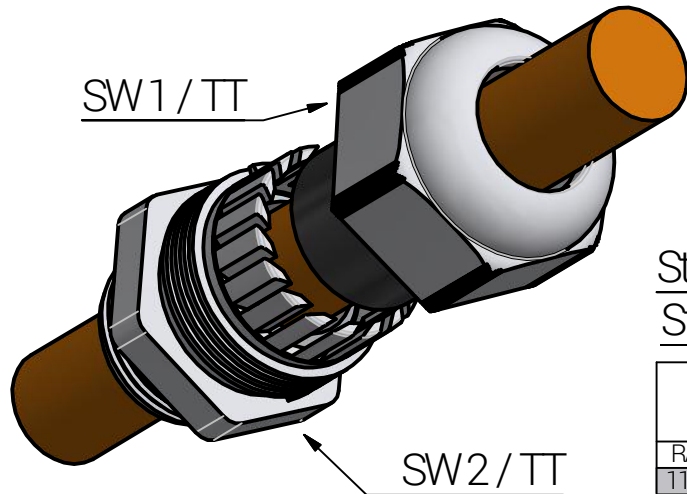
Einsatztemperatur: -40°C\*\* bis +100°C  
kurzfristig bis +150°C  
\*\* IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.

|        |                        |            |      |                                                       | Date       | Name |
|--------|------------------------|------------|------|-------------------------------------------------------|------------|------|
|        |                        |            |      | Draw.                                                 | 11.07.2018 | SL   |
|        |                        |            |      | Appr.                                                 | 11.07.2018 | KH   |
| E      | Anzugsdrehmoment       | 10.05.2021 | SL   | Norm                                                  |            |      |
| D      | ADM+ Texte             | 09.11.2020 | SL   | Scale:                                                |            | 1:1  |
| C      | IP-Schutzart           | 30.03.2020 | SL   | Material:                                             |            |      |
| B      | Anzugsdrehmonent       | 20.03.2019 | SL   |                                                       |            |      |
| A      | Einsatztemperatur erg. | 17.01.2019 | SL   |                                                       |            |      |
| Status | Modification           | Date       | Name | Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x08x5 |            |      |

## Euro-Top Polyamid M

|                                               |                  |
|-----------------------------------------------|------------------|
| Drawing-Nr.:<br><b>1x08x5xx_SZM_TD_German</b> | <b>1</b> of<br>1 |
|                                               | A4               |
|                                               | V25              |

# Mounting Instruction



| Article  |          |          | Thread<br>G | Clamping Range<br>(mm) |      | SW1<br>(mm) | SW2<br>(mm) | L<br>(mm) | H<br>max.<br>(mm) | D<br>(mm) | Non Threaded<br>Enclosure<br>(mm) | Tightening<br>Torque (Nm)<br>TT |      | Impact<br>Category |
|----------|----------|----------|-------------|------------------------|------|-------------|-------------|-----------|-------------------|-----------|-----------------------------------|---------------------------------|------|--------------------|
| RAL7035  | RAL7001  | RAL9005  |             | ≥                      | ≤    |             |             |           |                   |           |                                   | Cap                             | Body |                    |
| 11080512 | 12080512 | 13080512 | M12x1,5     | 3,0                    | 6,5  | 15          | 15          | 8,0       | 23,0              | 12,0      | 12 (0/+0,2)                       | 2,0                             | 2,0  | 2                  |
| 11084516 | 12084516 | 13084516 | M16x1,5     | 4,0                    | 8,0  | 19          | 19          | 8,0       | 25,0              | 16,0      | 16 (0/+0,2)                       | 2,5                             | 2,5  | 2                  |
| 11080516 | 12080516 | 13080516 | M16x1,5     | 5,0                    | 10,0 | 22          | 22          | 10,0      | 30,0              | 16,0      | 16 (0/+0,2)                       | 2,5                             | 2,5  | 2                  |
| 11080520 | 12080520 | 13080520 | M20x1,5     | 6,0                    | 12,0 | 24          | 24          | 10,0      | 29,5              | 20,0      | 20 (0/+0,2)                       | 4,0                             | 3,5  | 2                  |
| 11080522 | 12080522 | 13080522 | M20x1,5     | 10,0                   | 14,0 | 27          | 27          | 10,0      | 31,0              | 20,0      | 20 (0/+0,2)                       | 5,5                             | 3,5  | 2                  |
| 11084525 | 12084525 | 13084525 | M25x1,5     | 11,0                   | 17,0 | 29          | 29          | 8,0       | 35,0              | 25,0      | 25 (0/+0,2)                       | 5,5                             | 3,5  | 4                  |
| 11080525 | 12080525 | 13080525 | M25x1,5     | 13,0                   | 18,0 | 33          | 33          | 10,0      | 37,0              | 25,0      | 25 (0/+0,2)                       | 9,0                             | 3,5  | 4                  |
| 11084532 | 12084532 | 13084532 | M32x1,5     | 15,0                   | 21,0 | 36          | 36          | 10,0      | 42,0              | 32,0      | 32 (0/+0,2)                       | 6,0                             | 5,0  | 4                  |
| 11080532 | 12080532 | 13080532 | M32x1,5     | 18,0                   | 25,0 | 42          | 42          | 15,0      | 41,0              | 32,0      | 32 (0/+0,2)                       | 10,0                            | 5,0  | 4                  |
| 11084540 | 12084540 | 13084540 | M40x1,5     | 19,0                   | 28,0 | 46          | 46          | 10,0      | 47,0              | 40,0      | 40 (0/+0,2)                       | 11,0                            | 5,0  | 4                  |
| 11080540 | 12080540 | 13080540 | M40x1,5     | 22,0                   | 32,0 | 53          | 53          | 18,0      | 51,5              | 40,0      | 40 (0/+0,2)                       | 20,0                            | 5,0  | 4                  |
| 11080550 | 12080550 | 13080550 | M50x1,5     | 30,0                   | 38,0 | 60          | 60          | 18,0      | 53,0              | 50,0      | 50 (0/+0,2)                       | 20,0                            | 8,0  | 4                  |
| 11080563 | 12080563 | 13080563 | M63x1,5     | 34,0                   | 44,0 | 65          | 65          | 18,0      | 53,0              | 63,0      | 63 (0/+0,2)                       | 20,0                            | 12,0 | 4                  |
| 11080575 | 12080575 | 13080575 | M75x2,0     | 48,0                   | 55,0 | 75          | 80          | 25,0      | 55,0              | 75,0      | 75 (0/+0,2)                       | 30,0                            | 30,0 | 4                  |

| Step | Assembly Steps<br>(The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)            |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure).                                                    |
| 2    | Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage. |
| 3    | Pass the cable through the cable gland.                                                                                                             |
| 4    | Tighten the cap until the seal fulfills its function. Over tightening may cause damage.                                                             |

Diameter of the mounting hole:  
- Threaded hole according to EN 60423  
- Through hole see table.

Type of cable anchorage according to EN62444:2013  
- Clamping range 2-4mm = cable retention  
- Clamping range 3-4mm only at M12 = cable retention  
- Balance = Category A

Protection Class: A IP 68 (5 bar / 30 min.) / IP 66\*.  
\* With Flat Sealing Washer

Operating Temperature: -40°C\*\* to +100°C  
intermittent up to +150°C  
\*\* Protection Class and strain relief acc. to EN62444 are maintained.



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Unless otherwise specified on the drawing:  
Metric Thread = EN 60423  
PG Thread = DIN 40430  
NPT Thread = ANSI B1.20.1  
Tolerance: DIN ISO 2768-m  
All dimensions in mm.

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|        |                      |            |      |                                                        |            |      |
|--------|----------------------|------------|------|--------------------------------------------------------|------------|------|
|        |                      |            |      |                                                        | Date       | Name |
|        |                      |            |      | Draw.                                                  | 17.07.2018 | SL   |
|        |                      |            |      | Appr.                                                  | 17.07.2018 | KH   |
| E      | Tightening Torque    | 10.05.2021 | SL   | Norm                                                   |            |      |
| D      | TT + text            | 09.11.2020 | SL   | Scale:                                                 | 1:1        |      |
| C      | Protection Class     | 30.03.2020 | SL   | Material:<br><br>Polyamide                             |            |      |
| B      | Tightening Torque    | 20.03.2019 | SL   |                                                        |            |      |
| A      | Operating Temp. cpl. | 17.01.2019 | SL   |                                                        |            |      |
| Status | Modification         | Date       | Name | Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x08x5x |            |      |

## Euro-Top Polyamide M

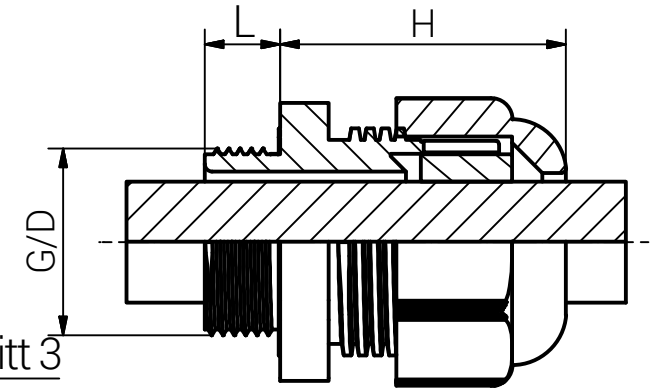
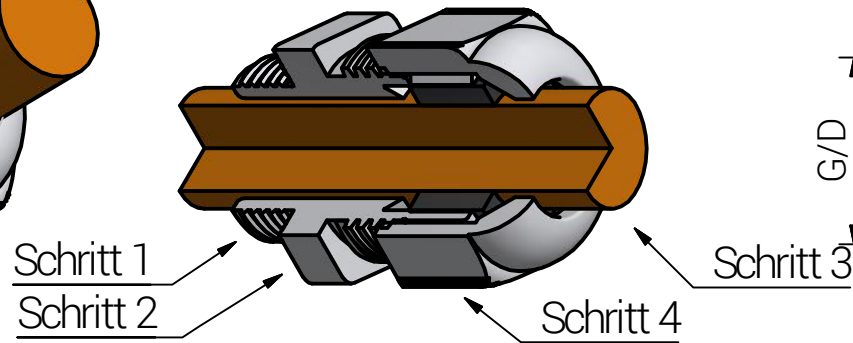
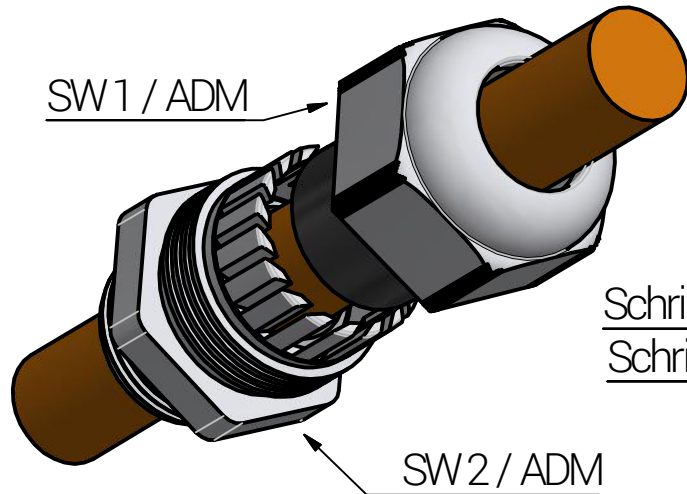
Drawing-Nr.:  
**1x08x5xx\_SZM\_TD\_English**

**1** of  
1

A4

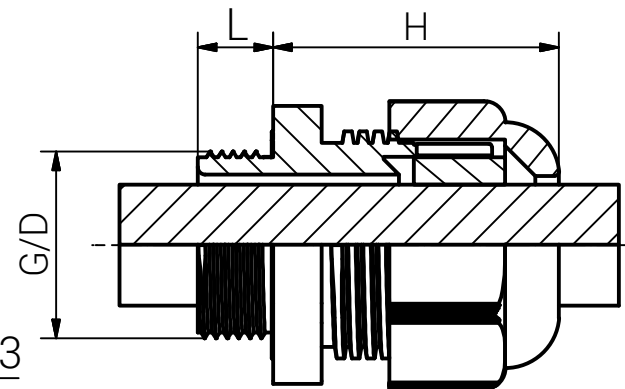
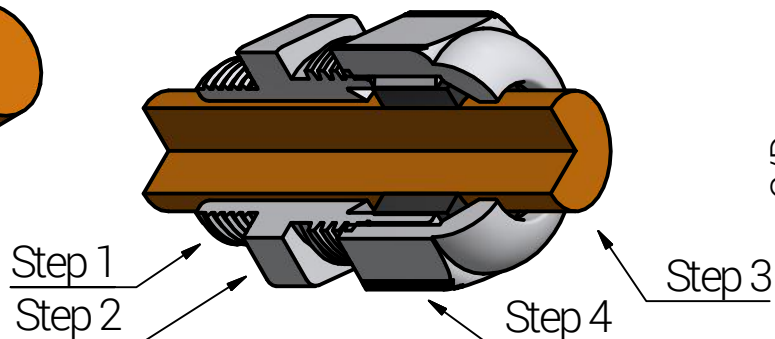
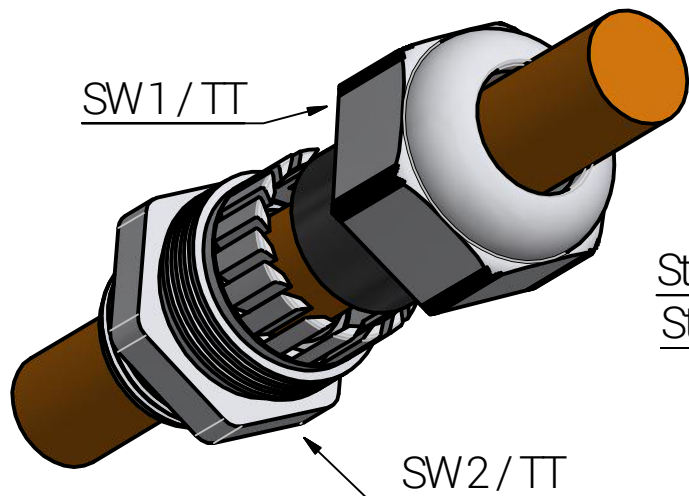
V22

# Montageanleitung



| Schritt                                                                                                                                                           |                                                                                                                                                                           | Montageschritt<br>(Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.) | Artikel                                                                             |                                                                                               |                                                                                                                                                           | Gewinde<br>G | Klemmbereich<br>(mm)                                                                                            |         | SW1<br>(mm)                                     | SW2<br>(mm) | L<br>(mm)                                                                                                                                                                          | H<br>max.<br>(mm) | D<br>(mm)   | Durchgangs-<br>bohrung<br>(mm) | Anzugsdreh-<br>moment (Nm)<br>ADM                                                                                                                              |             | Kategorie der<br>Schlagein-<br>wirkung |     |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------|-----|---------|
|                                                                                                                                                                   |                                                                                                                                                                           |                                                                                                                                                                         | RAL7035                                                                             | RAL7001                                                                                       | RAL9005                                                                                                                                                   |              | ≥                                                                                                               | ≤       |                                                 |             |                                                                                                                                                                                    |                   |             |                                | Hutmutter                                                                                                                                                      | Stutzen     |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           |                                                                                                                                                                         | 1                                                                                   | Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren. | 11180512                                                                                                                                                  | 12180512     | 13180512                                                                                                        | M12x1,5 | 2,0                                             | 5,0         | 15                                                                                                                                                                                 | 15                | 8,0         | 22,5                           | 12,0                                                                                                                                                           | 12 (0/+0,2) | 2,0                                    | 2,0 | 1       |
| 2                                                                                                                                                                 | Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen. | 11180516                                                                                                                                                                | 12180516                                                                            | 13180516                                                                                      | M16x1,5                                                                                                                                                   | 3,0          | 7,0                                                                                                             | 22      | 22                                              | 10,0        | 30,0                                                                                                                                                                               | 16,0              | 16 (0/+0,2) | 3,0                            | 2,5                                                                                                                                                            | 2           |                                        |     |         |
| 3                                                                                                                                                                 | Kabel durch die Kabelverschraubungen führen.                                                                                                                              | 11180520                                                                                                                                                                | 12180520                                                                            | 13180520                                                                                      | M20x1,5                                                                                                                                                   | 5,0          | 9,0                                                                                                             | 24      | 24                                              | 10,0        | 29,5                                                                                                                                                                               | 20,0              | 20 (0/+0,2) | 5,0                            | 3,5                                                                                                                                                            | 2           |                                        |     |         |
| 4                                                                                                                                                                 | Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.                                                | 11180522                                                                                                                                                                | 12180522                                                                            | 13180522                                                                                      | M20x1,5                                                                                                                                                   | 7,0          | 12,0                                                                                                            | 27      | 27                                              | 10,0        | 31,0                                                                                                                                                                               | 20,0              | 20 (0/+0,2) | 5,5                            | 3,5                                                                                                                                                            | 2           |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           | 11180525                                                                                                                                                                | 12180525                                                                            | 13180525                                                                                      | M25x1,5                                                                                                                                                   | 9,0          | 16,0                                                                                                            | 33      | 33                                              | 10,0        | 37,0                                                                                                                                                                               | 25,0              | 25 (0/+0,2) | 7,0                            | 3,5                                                                                                                                                            | 4           |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           | 11180532                                                                                                                                                                | 12180532                                                                            | 13180532                                                                                      | M32x1,5                                                                                                                                                   | 12,0         | 20,0                                                                                                            | 42      | 42                                              | 15,0        | 41,0                                                                                                                                                                               | 32,0              | 32 (0/+0,2) | 12,0                           | 5,0                                                                                                                                                            | 4           |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           | 11180540                                                                                                                                                                | 12180540                                                                            | 13180540                                                                                      | M40x1,5                                                                                                                                                   | 20,0         | 26,0                                                                                                            | 53      | 53                                              | 18,0        | 51,5                                                                                                                                                                               | 40,0              | 40 (0/+0,2) | 15,0                           | 5,0                                                                                                                                                            | 4           |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           | 11180550                                                                                                                                                                | 12180550                                                                            | 13180550                                                                                      | M50x1,5                                                                                                                                                   | 25,0         | 31,0                                                                                                            | 60      | 60                                              | 18,0        | 53,0                                                                                                                                                                               | 50,0              | 50 (0/+0,2) | 18,0                           | 8,0                                                                                                                                                            | 3           |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           | 11180563                                                                                                                                                                | 12180563                                                                            | 13180563                                                                                      | M63x1,5                                                                                                                                                   | 29,0         | 35,0                                                                                                            | 65      | 65                                              | 18,0        | 53,0                                                                                                                                                                               | 63,0              | 63 (0/+0,2) | 21,0                           | 12,0                                                                                                                                                           | 4           |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           |                                                                                                                                                                         |  |                                                                                               | RST Rabe-System-Technik und Vertriebs-GmbH<br>Otto-Lilienthal-Strasse 19<br>49134 Wallenhorst<br>☎ +49 5407 8766-0<br>✉ +49 5407 8766-99<br>✉ info@rst.eu |              |                                                                                                                 |         |                                                 |             | Unless otherwise specified on the drawing:<br>Metric Thread = EN 60423<br>PG Thread = DIN 40430<br>NPT Thread = ANSI B1.20.1<br>Tolerance: DIN ISO 2768-m<br>All dimensions in mm. |                   |             |                                | Abusive use, in particular reproduction and dissemination to third parties is not permitted. You can be punished by civil law. Technical changes are reserved. |             |                                        |     |         |
| Durchmesser des Montagelochs:<br>- Gewindebohrung gemäß EN 60423<br>- Durchgangsbohrung siehe Tabelle.                                                            |                                                                                                                                                                           |                                                                                                                                                                         |                                                                                     |                                                                                               |                                                                                                                                                           |              | Date                                                                                                            | Name    | Euro-Top Polyamid M<br>mit Reduzierdichteinsatz |             |                                                                                                                                                                                    |                   |             |                                |                                                                                                                                                                |             |                                        |     |         |
| Zugentlastung gemäß EN 62444 : 2013<br>- Klemmbereich 2-4 mm = Rückhaltevermögen<br>- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen<br>- Rest = Kategorie A |                                                                                                                                                                           |                                                                                                                                                                         |                                                                                     |                                                                                               |                                                                                                                                                           | Draw.        | 10.11.2020                                                                                                      | SL      |                                                 |             |                                                                                                                                                                                    |                   |             |                                |                                                                                                                                                                |             |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           |                                                                                                                                                                         |                                                                                     |                                                                                               |                                                                                                                                                           | Appr.        | 10.11.2020                                                                                                      | KH      |                                                 |             |                                                                                                                                                                                    |                   |             |                                |                                                                                                                                                                |             |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           |                                                                                                                                                                         |                                                                                     |                                                                                               |                                                                                                                                                           | Norm         |                                                                                                                 |         |                                                 |             |                                                                                                                                                                                    |                   |             |                                |                                                                                                                                                                |             |                                        |     |         |
| IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66*.<br>*Mit Flachdichtung                                                                                          |                                                                                                                                                                           |                                                                                                                                                                         |                                                                                     |                                                                                               |                                                                                                                                                           |              | Scale:                                                                                                          | 1:1     | Drawing-Nr.:<br><b>1x18x5xx_SZM_TD_German</b>   |             |                                                                                                                                                                                    |                   |             |                                |                                                                                                                                                                |             |                                        | 1   | of<br>1 |
| Einsatztemperatur: -40°C** bis + 100°C<br>kurzfristig bis +150°C<br>** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.                   |                                                                                                                                                                           |                                                                                                                                                                         |                                                                                     |                                                                                               |                                                                                                                                                           |              | Material:                                                                                                       |         |                                                 |             |                                                                                                                                                                                    |                   |             |                                |                                                                                                                                                                |             |                                        |     |         |
|                                                                                                                                                                   |                                                                                                                                                                           |                                                                                                                                                                         | Status                                                                              | Modification                                                                                  | Date                                                                                                                                                      | Name         | Z:\Inventor\Montageanleitung\Euro-Top\Polyamid\1x18x5xx_SZM_TD\Euro-Top-01-1-BG-0001-1x18x5xx_SZM_TD_German.idw |         |                                                 |             |                                                                                                                                                                                    |                   | V5          |                                |                                                                                                                                                                |             |                                        |     |         |

## Mounting Instruction



| Article  |          |          | Thread<br>G | Clamping Range<br>(mm) |      | SW<br>(mm) | SW2<br>(mm) | L<br>(mm) | H max.<br>(mm) | D<br>(mm) | Non Threaded<br>Enclosure<br>(mm) | Tightening<br>Torque (Nm)<br>TT |      | Impact<br>Category |
|----------|----------|----------|-------------|------------------------|------|------------|-------------|-----------|----------------|-----------|-----------------------------------|---------------------------------|------|--------------------|
| RAL7035  | RAL7001  | RAL9005  |             | ≥                      | ≤    |            |             |           |                |           |                                   | Cap                             | Body |                    |
| 11180512 | 12180512 | 13180512 | M12x1,5     | 2,0                    | 5,0  | 15         | 15          | 8,0       | 22,5           | 12,0      | 12 (0/+0,2)                       | 2,0                             | 2,0  | 1                  |
| 11180516 | 12180516 | 13180516 | M16x1,5     | 3,0                    | 7,0  | 22         | 22          | 10,0      | 30,0           | 16,0      | 16 (0/+0,2)                       | 3,0                             | 2,5  | 2                  |
| 11180520 | 12180520 | 13180520 | M20x1,5     | 5,0                    | 9,0  | 24         | 24          | 10,0      | 29,5           | 20,0      | 20 (0/+0,2)                       | 5,0                             | 3,5  | 2                  |
| 11180522 | 12180522 | 13180522 | M20x1,5     | 7,0                    | 12,0 | 27         | 27          | 10,0      | 31,0           | 20,0      | 20 (0/+0,2)                       | 5,5                             | 3,5  | 2                  |
| 11180525 | 12180525 | 13180525 | M25x1,5     | 9,0                    | 16,0 | 33         | 33          | 10,0      | 37,0           | 25,0      | 25 (0/+0,2)                       | 7,0                             | 3,5  | 4                  |
| 11180532 | 12180532 | 13180532 | M32x1,5     | 12,0                   | 20,0 | 42         | 42          | 15,0      | 41,0           | 32,0      | 32 (0/+0,2)                       | 12,0                            | 5,0  | 4                  |
| 11180540 | 12180540 | 13180540 | M40x1,5     | 20,0                   | 26,0 | 53         | 53          | 18,0      | 51,5           | 40,0      | 40 (0/+0,2)                       | 15,0                            | 5,0  | 4                  |
| 11180550 | 12180550 | 13180550 | M50x1,5     | 25,0                   | 31,0 | 60         | 60          | 18,0      | 53,0           | 50,0      | 50 (0/+0,2)                       | 18,0                            | 8,0  | 3                  |
| 11180563 | 12180563 | 13180563 | M63x1,5     | 29,0                   | 35,0 | 65         | 65          | 18,0      | 53,0           | 63,0      | 63 (0/+0,2)                       | 21,0                            | 12,0 | 4                  |



connected by competence

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Unless otherwise specified on the drawing:  
Metric Thread = EN 60423  
PG Thread = DIN 40430  
NPT Thread = ANSI B1.20.1  
Tolerance: DIN ISO 2768-m  
All dimensions in mm.

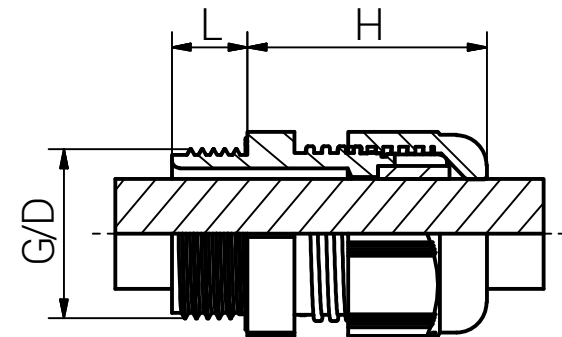
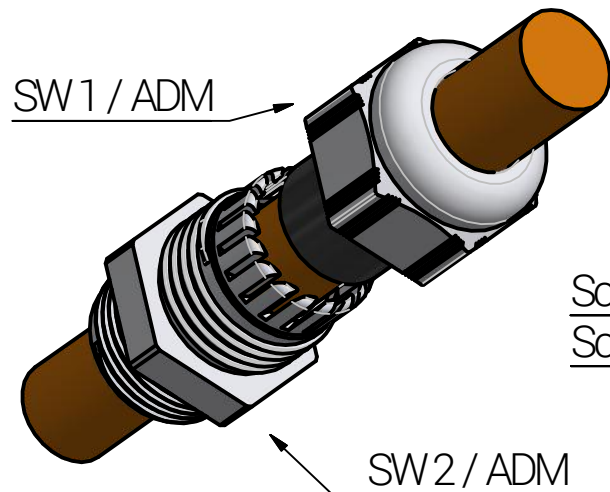
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|        |              |      |      | Date                                                                                                             |            | Name |     | Euro-Top Polyamide M<br>with Reducing Sealing |  | 1  | of<br>1 |
|--------|--------------|------|------|------------------------------------------------------------------------------------------------------------------|------------|------|-----|-----------------------------------------------|--|----|---------|
|        |              |      |      | Draw.                                                                                                            | 10.11.2020 |      | SL  |                                               |  |    |         |
|        |              |      |      | Appr.                                                                                                            | 10.11.2020 |      | KH  |                                               |  |    |         |
|        |              |      |      | Norm                                                                                                             |            |      |     |                                               |  |    |         |
|        |              |      |      | Scale:                                                                                                           |            |      | 1:1 |                                               |  |    |         |
|        |              |      |      | Material:<br>Polyamide                                                                                           |            |      |     | Drawing-Nr.:<br>1x18x5xx_SZM_TD_English       |  | A4 |         |
| Status | Modification | Date | Name | Z:\Inventor\Montageanleitung\Euro-Top\Polyamid\1x18x5xx_SZM_TD\Euro-Top-01-1-BG-0001-1x18x5xx_SZM_TD_English.idw |            |      |     |                                               |  | V5 |         |

Please note that the above representation is just a dimension illustration.

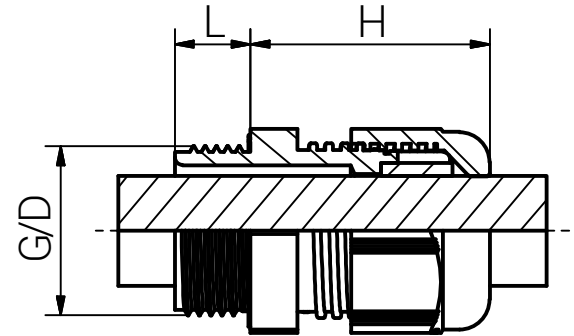
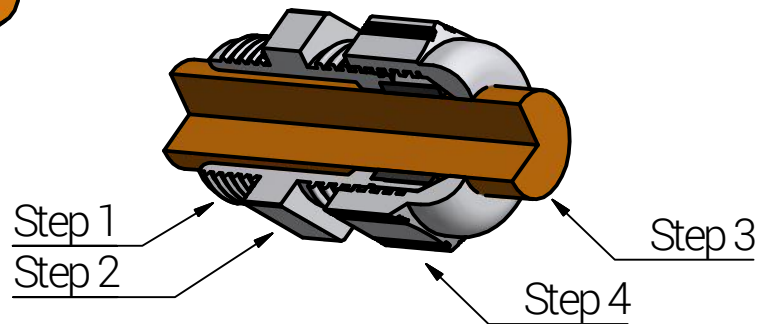
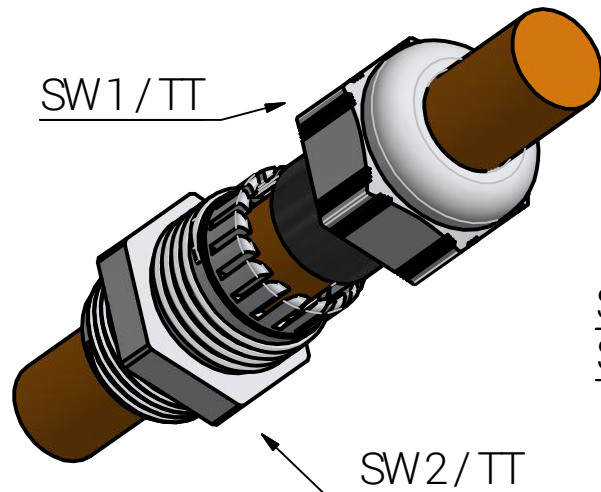


# Montageanleitung



|                                                                                                                                                                     |                                                                                                                                                                           | Artikel                                                                             |                       |                                                                                                                                                           | Gewinde<br>G | Klemmbereich<br>(mm)                                                                                              |            | SW1<br>(mm) | SW2<br>(mm) | L<br>(mm)                               | H<br>max.<br>(mm)                                                                                                                                                                  | D<br>(mm) | Durchgangs-<br>bohrung<br>(mm) | Anzugsdreh-<br>moment (Nm)<br>ADM                                                                                                                              |         | Kategorie der<br>Schlagein-<br>wirkung * |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------|------------|-------------|-------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------|
| Schritt                                                                                                                                                             | Montageschritt<br>(Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)   | RAL7035                                                                             | RAL7001               | RAL9005                                                                                                                                                   |              | ≥                                                                                                                 | ≤          |             |             |                                         |                                                                                                                                                                                    |           |                                | Hutmutter                                                                                                                                                      | Stutzen |                                          |
|                                                                                                                                                                     |                                                                                                                                                                           | 11080407                                                                            | 12080407              | 13080407                                                                                                                                                  | PG7          | 3,0                                                                                                               | 6,5        | 15          | 15          | 8,0                                     | 22,0                                                                                                                                                                               | 12,5      | 12,7                           | 2,0                                                                                                                                                            | 1,5     | 2                                        |
|                                                                                                                                                                     |                                                                                                                                                                           | 11080409                                                                            | 12080409              | 13080409                                                                                                                                                  | PG9          | 4,0                                                                                                               | 8,0        | 19          | 19          | 8,0                                     | 26,5                                                                                                                                                                               | 15,2      | 15,4                           | 2,5                                                                                                                                                            | 1,5     | 2                                        |
|                                                                                                                                                                     |                                                                                                                                                                           | 11080411                                                                            | 12080411              | 13080411                                                                                                                                                  | PG11         | 5,0                                                                                                               | 10,0       | 22          | 22          | 8,0                                     | 29,0                                                                                                                                                                               | 18,6      | 18,8                           | 2,5                                                                                                                                                            | 2,0     | 2                                        |
| 1                                                                                                                                                                   | Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren.                                                                             | 11080413                                                                            | 12080413              | 13080413                                                                                                                                                  | PG13,5       | 6,0                                                                                                               | 12,0       | 24          | 24          | 10,0                                    | 29,0                                                                                                                                                                               | 20,4      | 20,7                           | 4,0                                                                                                                                                            | 3,0     | 2                                        |
|                                                                                                                                                                     |                                                                                                                                                                           | 11080416                                                                            | 12080416              | 13080416                                                                                                                                                  | PG16         | 10,0                                                                                                              | 14,0       | 27          | 27          | 10,0                                    | 31,0                                                                                                                                                                               | 22,5      | 22,8                           | 5,5                                                                                                                                                            | 3,5     | 2                                        |
| 2                                                                                                                                                                   | Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen. | 11080421                                                                            | 12080421              | 13080421                                                                                                                                                  | PG21         | 13,0                                                                                                              | 18,0       | 33          | 33          | 11,0                                    | 37,0                                                                                                                                                                               | 28,3      | 28,6                           | 5,0                                                                                                                                                            | 3,5     | 4                                        |
|                                                                                                                                                                     |                                                                                                                                                                           | 11080429                                                                            | 12080429              | 13080429                                                                                                                                                  | PG29         | 18,0                                                                                                              | 25,0       | 42          | 42          | 11,0                                    | 41,0                                                                                                                                                                               | 32,0      | 37,4                           | 10,0                                                                                                                                                           | 9,0     | 4                                        |
| 3                                                                                                                                                                   | Kabel durch die Kabelverschraubungen führen.                                                                                                                              | 11080436                                                                            | 12080436              | 13080436                                                                                                                                                  | PG36         | 22,0                                                                                                              | 32,0       | 53          | 53          | 13,0                                    | 51,5                                                                                                                                                                               | 47,0      | 47,5                           | 16,0                                                                                                                                                           | 11,0    | 4                                        |
|                                                                                                                                                                     |                                                                                                                                                                           | 11080442                                                                            | 12080442              | 13080442                                                                                                                                                  | PG42         | 30,0                                                                                                              | 38,0       | 60          | 60          | 13,0                                    | 53,5                                                                                                                                                                               | 54,0      | 54,5                           | 20,0                                                                                                                                                           | 14,0    | 4                                        |
| 4                                                                                                                                                                   | Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.                                                | 11080448                                                                            | 12080448              | 13080448                                                                                                                                                  | PG48         | 34,0                                                                                                              | 44,0       | 65          | 65          | 14,0                                    | 53,5                                                                                                                                                                               | 59,3      | 59,8                           | 20,0                                                                                                                                                           | 14,0    | 4                                        |
|                                                                                                                                                                     |                                                                                                                                                                           |  |                       | RST Rabe-System-Technik und Vertriebs-GmbH<br>Otto-Lilienthal-Strasse 19<br>49134 Wallenhorst<br>☎ +49 5407 8766-0<br>✉ +49 5407 8766-99<br>✉ info@rst.eu |              |                                                                                                                   |            |             |             |                                         | Unless otherwise specified on the drawing:<br>Metric Thread = EN 60423<br>PG Thread = DIN 40430<br>NPT Thread = ANSI B1.20.1<br>Tolerance: DIN ISO 2768-m<br>All dimensions in mm. |           |                                | Abusive use, in particular reproduction and dissemination to third parties is not permitted. You can be punished by civil law. Technical changes are reserved. |         |                                          |
| Durchmesser des Montagelochs:<br>- Gewindebohrung gemäß DIN 40430<br>- Durchgangsbohrung siehe Tabelle.                                                             |                                                                                                                                                                           |                                                                                     |                       |                                                                                                                                                           |              |                                                                                                                   |            | Date        | Name        | Euro-Top Polyamid PG                    |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
| Zugentlastung gemäß EN 62444 : 2013 *<br>- Klemmbereich 2-4 mm = Rückhaltevermögen<br>- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen<br>- Rest = Kategorie A |                                                                                                                                                                           |                                                                                     |                       |                                                                                                                                                           |              | Draw.                                                                                                             | 11.07.2018 | SL          |             |                                         |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
|                                                                                                                                                                     |                                                                                                                                                                           |                                                                                     |                       |                                                                                                                                                           |              | Appr.                                                                                                             | 11.07.2018 | KH          |             |                                         |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
|                                                                                                                                                                     |                                                                                                                                                                           |                                                                                     |                       |                                                                                                                                                           |              | Norm                                                                                                              |            |             |             |                                         |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
| IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.                                                                                                                   |                                                                                                                                                                           | D                                                                                   | Anzugsdrehmoment      | 10.05.2021                                                                                                                                                | SL           | Scale:                                                                                                            |            | 1:1         |             |                                         |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
| * Von metrischen Größen übernommen.                                                                                                                                 |                                                                                                                                                                           | C                                                                                   | ADM+ Text             | 09.11.2020                                                                                                                                                | SL           | Material:                                                                                                         |            |             |             | Drawing-Nr.:<br>1x08x4xx_SZPG_TD_German |                                                                                                                                                                                    |           |                                | 1                                                                                                                                                              | of<br>1 |                                          |
| Einsatztemperatur: -40°C** bis +100°C<br>kurzfristig bis +150°C<br>** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.                      |                                                                                                                                                                           | B                                                                                   | Anzugsdrehmoment      | 20.03.2019                                                                                                                                                | SL           |                                                                                                                   |            |             |             |                                         |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
|                                                                                                                                                                     |                                                                                                                                                                           | A                                                                                   | Einsatztemperatur erg | 17.01.2019                                                                                                                                                | SL           |                                                                                                                   |            |             |             |                                         |                                                                                                                                                                                    |           |                                |                                                                                                                                                                |         |                                          |
|                                                                                                                                                                     |                                                                                                                                                                           | Status                                                                              | Modification          | Date                                                                                                                                                      | Name         | Z:\Inventar\Montageanleitung\Euro-Top-Polyamid\1x08x4xx_SZPG_TD\Euro-Top-02-1-BG-0001-1x08x4xx_SZPG_TD_German.idw |            |             |             |                                         |                                                                                                                                                                                    |           |                                | V25                                                                                                                                                            |         |                                          |

# Mounting Instruction



| Article  |          |          | Thread<br>G | Clamping Range<br>(mm) |      | SW1<br>(mm) | SW2<br>(mm) | L<br>(mm) | H<br>max.<br>(mm) | D<br>(mm) | Non Threaded<br>Enclosure<br>(mm) | Tightening<br>Torque (Nm)<br>TT |      | Impact<br>Category<br>* |
|----------|----------|----------|-------------|------------------------|------|-------------|-------------|-----------|-------------------|-----------|-----------------------------------|---------------------------------|------|-------------------------|
| RAL7035  | RAL7001  | RAL9005  |             | ≥                      | ≤    |             |             |           |                   |           |                                   | Cap                             | Body |                         |
| 11080407 | 12080407 | 13080407 | PG7         | 3,0                    | 6,5  | 15          | 15          | 8,0       | 22,0              | 12,5      | 12,7                              | 2,0                             | 1,5  | 2                       |
| 11080409 | 12080409 | 13080409 | PG9         | 4,0                    | 8,0  | 19          | 19          | 8,0       | 26,5              | 15,2      | 15,4                              | 2,5                             | 1,5  | 2                       |
| 11080411 | 12080411 | 13080411 | PG11        | 5,0                    | 10,0 | 22          | 22          | 8,0       | 29,0              | 18,6      | 18,8                              | 2,5                             | 2,0  | 2                       |
| 11080413 | 12080413 | 13080413 | PG13,5      | 6,0                    | 12,0 | 24          | 24          | 10,0      | 29,0              | 20,4      | 20,7                              | 4,0                             | 3,0  | 2                       |
| 11080416 | 12080416 | 13080416 | PG16        | 10,0                   | 14,0 | 27          | 27          | 10,0      | 31,0              | 22,5      | 22,8                              | 5,5                             | 3,5  | 2                       |
| 11080421 | 12080421 | 13080421 | PG21        | 13,0                   | 18,0 | 33          | 33          | 11,0      | 37,0              | 28,3      | 28,6                              | 5,5                             | 3,5  | 4                       |
| 11080429 | 12080429 | 13080429 | PG29        | 18,0                   | 25,0 | 42          | 42          | 11,0      | 41,0              | 32,0      | 37,4                              | 10,0                            | 9,0  | 4                       |
| 11080436 | 12080436 | 13080436 | PG36        | 22,0                   | 32,0 | 53          | 53          | 13,0      | 51,5              | 47,0      | 47,5                              | 16,0                            | 11,0 | 4                       |
| 11080442 | 12080442 | 13080442 | PG42        | 30,0                   | 38,0 | 60          | 60          | 13,0      | 53,5              | 54,0      | 54,5                              | 20,0                            | 14,0 | 4                       |
| 11080448 | 12080448 | 13080448 | PG48        | 34,0                   | 44,0 | 65          | 65          | 14,0      | 53,5              | 59,3      | 59,8                              | 20,0                            | 14,0 | 4                       |

| Step | Assembly Steps<br>(The installation should only be done by a qualified electrician who are trained in the installation of cable glands.)            |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure).                                                    |
| 2    | Tighten the body until the sealing lip fulfills its function. The guiding value is the TT mentioned in the table. Over tightening may cause damage. |
| 3    | Pass the cable through the cable gland.                                                                                                             |
| 4    | Tighten the cap until the seal fulfills its function. Over tightening may cause damage.                                                             |

Diameter of the mounting hole:  
- Threaded hole according to DIN 40430  
- Through hole see table.

Type of cable anchorage according to EN62444:2013 \*  
- Clamping range 2-4mm = cable retention  
- Clamping range 3-4mm only at M12 = cable retention  
- Balance = Category A

Protection Class: A IP 68 (5 bar / 30 min.) / IP 66.

\* Adopted by metric sizes.

Operating Temperature: -40°C\* to +100°C  
intermittent up to +150°C

\* Protection Class and strain relief acc. to EN62444 are maintained.



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Unless otherwise specified on the drawing:  
Metric Thread = EN 60423  
PG Thread = DIN 40430  
NPT Thread = ANSI B1.20.1  
Tolerance: DIN ISO 2768-m  
All dimensions in mm.

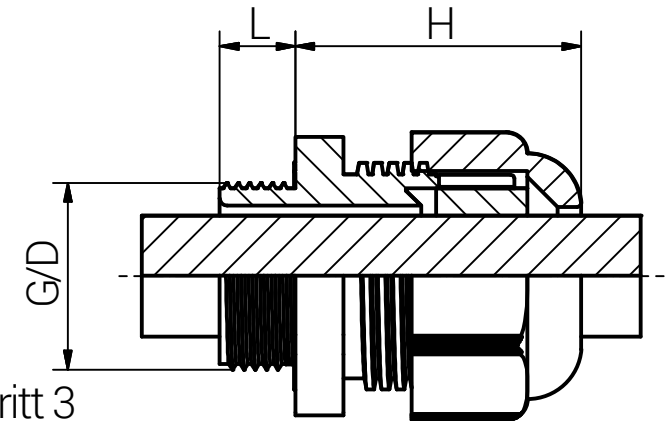
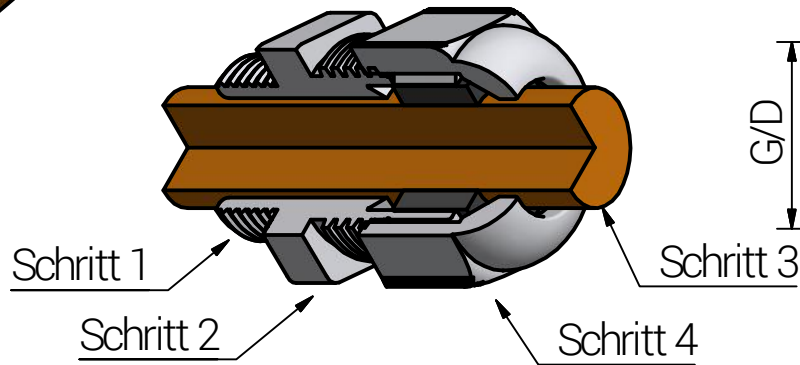
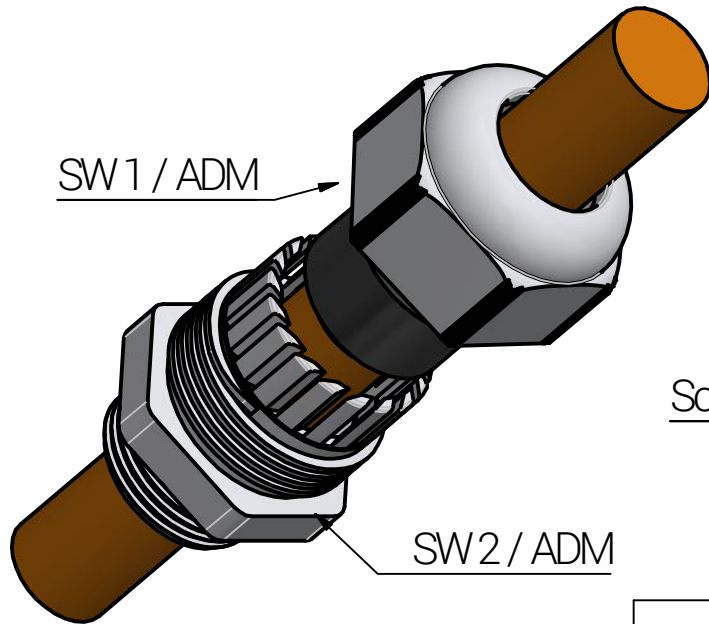
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|        |                      |            |      |                                                       | Date       | Name |
|--------|----------------------|------------|------|-------------------------------------------------------|------------|------|
|        |                      |            |      | Draw.                                                 | 17.07.2018 | SL   |
|        |                      |            |      | Appr.                                                 | 17.07.2018 | KH   |
|        |                      |            |      | Norm                                                  |            |      |
| D      | Tightening Torque    | 10.05.2021 | SL   | Scale:                                                |            | 1:1  |
| C      | TT + text            | 09.11.2020 | SL   | Material:<br><br>Polyamide                            |            |      |
| B      | Tightening Torque    | 20.03.2019 | SL   |                                                       |            |      |
| A      | Operating Temp. cpl. | 17.01.2019 | SL   |                                                       |            |      |
| Status | Modification         | Date       | Name | Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x08x4 |            |      |

## Euro-Top Polyamide PG

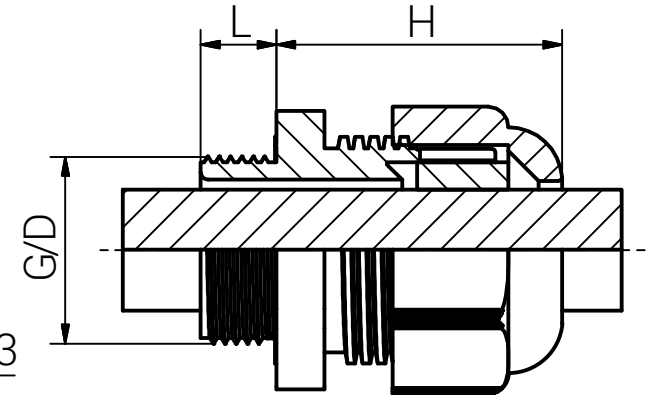
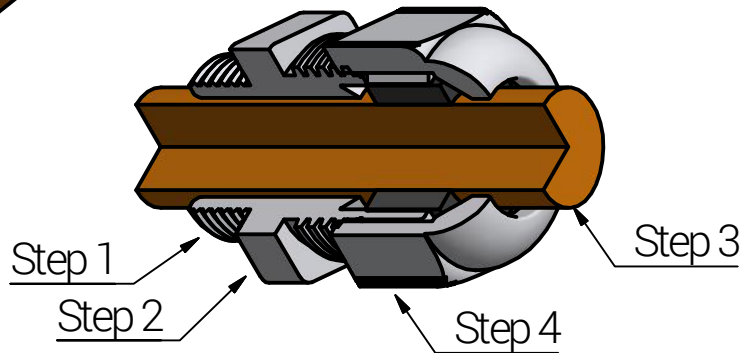
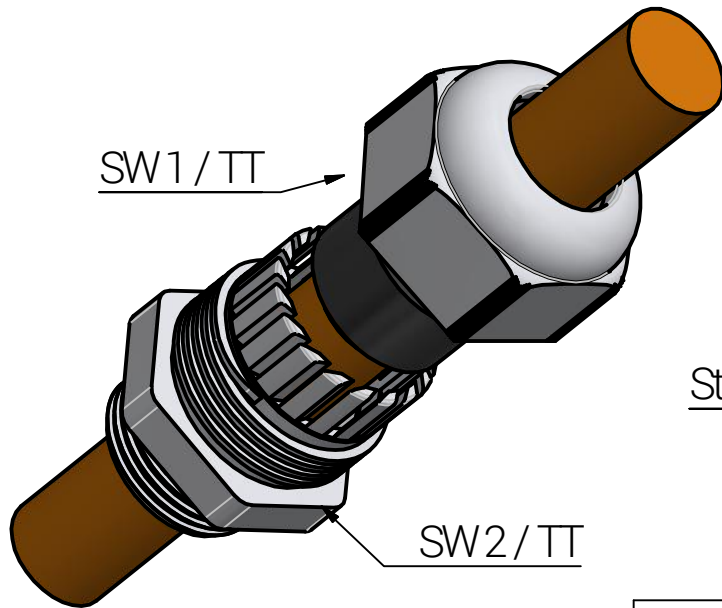
|              |                          |    |      |
|--------------|--------------------------|----|------|
| Drawing-Nr.: | 1x08x4xx_SZPG_TD_English | 1  | of 1 |
|              |                          | A4 | V13  |

# Montageanleitung



| Schritt                                                                                                                                                            |  | Montageschritt<br>(Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.)   | Artikel                                                                                                        |          |          | G                                                                                                                                                         | Klemmbereich (mm)                                                                                                 |            | SW1 (mm) | SW2 (mm)                                         | L (mm) | H max. (mm)                                                                                                                                                                        | D (mm) | Durchgangsbohrung (mm) | Anzugsdrehmoment (Nm) ADM                                                                                                                                        |         | Kategorie der Schlageinwirkung * |   |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------|----------|--------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------|---|---------|
|                                                                                                                                                                    |  |                                                                                                                                                                           | RAL7035                                                                                                        | RAL7001  | RAL9005  |                                                                                                                                                           | ≥                                                                                                                 | ≤          |          |                                                  |        |                                                                                                                                                                                    |        |                        | Hutmutter                                                                                                                                                        | Stutzen |                                  |   |         |
| 1                                                                                                                                                                  |  | Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren.                                                                             | 11180407                                                                                                       | 12180407 | 13180407 | PG7                                                                                                                                                       | 2,0                                                                                                               | 5,0        | 15       | 15                                               | 8,0    | 22,0                                                                                                                                                                               | 12,5   | 12,7                   | 2,0                                                                                                                                                              | 1,5     | 2                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180409                                                                                                       | 12180409 | 13180409 | PG9                                                                                                                                                       | 2,0                                                                                                               | 6,0        | 19       | 19                                               | 8,0    | 26,5                                                                                                                                                                               | 15,2   | 15,4                   | 2,0                                                                                                                                                              | 1,5     | 2                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180411                                                                                                       | 12180411 | 13180411 | PG11                                                                                                                                                      | 3,0                                                                                                               | 7,0        | 22       | 22                                               | 8,0    | 29,0                                                                                                                                                                               | 18,6   | 18,8                   | 3,0                                                                                                                                                              | 2,0     | 2                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180413                                                                                                       | 12180413 | 13180413 | PG13,5                                                                                                                                                    | 5,0                                                                                                               | 9,0        | 24       | 24                                               | 10,0   | 29,0                                                                                                                                                                               | 20,4   | 20,7                   | 5,0                                                                                                                                                              | 3,0     | 2                                |   |         |
| 2                                                                                                                                                                  |  | Stutzen soweit anziehen, dass die Dichtlippe ihre Funktion erfüllt. Als Richtwert gilt der in der Tabelle genannte ADM. Zu festes Anziehen kann zu Beschädigungen führen. | 11180416                                                                                                       | 12180416 | 13180416 | PG16                                                                                                                                                      | 7,0                                                                                                               | 12,0       | 27       | 27                                               | 10,0   | 31,0                                                                                                                                                                               | 22,5   | 22,8                   | 5,5                                                                                                                                                              | 3,5     | 2                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180421                                                                                                       | 12180421 | 13180421 | PG21                                                                                                                                                      | 9,0                                                                                                               | 16,0       | 33       | 33                                               | 11,0   | 37,0                                                                                                                                                                               | 28,3   | 28,6                   | 7,0                                                                                                                                                              | 3,5     | 4                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180429                                                                                                       | 12180429 | 13180429 | PG29                                                                                                                                                      | 12,0                                                                                                              | 20,0       | 42       | 42                                               | 11,0   | 41,0                                                                                                                                                                               | 32,0   | 37,4                   | 12,0                                                                                                                                                             | 9,0     | 4                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180436                                                                                                       | 12180436 | 13180436 | PG36                                                                                                                                                      | 20,0                                                                                                              | 26,0       | 53       | 53                                               | 13,0   | 51,5                                                                                                                                                                               | 47,0   | 47,5                   | 15,0                                                                                                                                                             | 11,0    | 4                                |   |         |
| 3                                                                                                                                                                  |  | Kabel durch die Kabelverschraubungen führen.                                                                                                                              | 11180442                                                                                                       | 12180442 | 13180442 | PG42                                                                                                                                                      | 25,0                                                                                                              | 31,0       | 60       | 60                                               | 13,0   | 53,5                                                                                                                                                                               | 54,0   | 54,5                   | 18,0                                                                                                                                                             | 14,0    | 4                                |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           | 11180448                                                                                                       | 12180448 | 13180448 | PG48                                                                                                                                                      | 29,0                                                                                                              | 35,0       | 65       | 65                                               | 14,0   | 53,5                                                                                                                                                                               | 59,3   | 59,8                   | 21,0                                                                                                                                                             | 14,0    | 4                                |   |         |
| 4                                                                                                                                                                  |  | Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.                                                | <br>connected by competence |          |          | RST Rabe-System-Technik und Vertriebs-GmbH<br>Otto-Lilienthal-Strasse 19<br>49134 Wallenhorst<br>☎ +49 5407 8766-0<br>☎ +49 5407 8766-99<br>✉ info@rst.eu |                                                                                                                   |            |          |                                                  |        | Unless otherwise specified on the drawing:<br>Metric Thread = EN 60423<br>PG Thread = DIN 40430<br>NPT Thread = ANSI B1.20.1<br>Tolerance: DIN ISO 2768-m<br>All dimensions in mm. |        |                        | Abusively use, in particular reproduction and dissemination to third parties is not permitted. You can be punished by civil law. Technical changes are reserved. |         |                                  |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           |                                                                                                                   |            |          |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
| Durchmesser des Montagelochs:<br>- Gewindebohrung gemäß DIN 40430<br>- Durchgangsbohrung siehe Tabelle.                                                            |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           |                                                                                                                   | Date       | Name     | Euro-Top Polyamid PG<br>mit Reduzierdichteinsatz |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
| Zugentlastung gemäß EN 62444: 2013 *<br>- Klemmbereich 2-4 mm = Rückhaltevermögen<br>- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen<br>- Rest = Kategorie A |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           | Draw.                                                                                                             | 10.05.2021 | SL       |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           | Appr.                                                                                                             | 10.05.2021 | KH       |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
|                                                                                                                                                                    |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           | Norm                                                                                                              |            |          |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
| IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.                                                                                                                  |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           |                                                                                                                   | Scale:     | 1:1      | Drawing-Nr.:<br>1x1804xx_SZPG_TD_German          |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  | 1 | of<br>1 |
| * Von metrischen Größen übernommen.                                                                                                                                |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           |                                                                                                                   | Material:  |          |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
| Einsatztemperatur: -40°C** bis +100°C<br>kurzfristig bis +150°C                                                                                                    |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           |                                                                                                                   |            |          |                                                  | A4     |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
| ** IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.                                                                                        |  |                                                                                                                                                                           |                                                                                                                |          |          |                                                                                                                                                           |                                                                                                                   |            |          |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         |                                  |   |         |
| Status                                                                                                                                                             |  |                                                                                                                                                                           | Modification                                                                                                   |          | Date     | Name                                                                                                                                                      | Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x1804xx_SZPG_TD\Euro-Top-02-1-BG-0001-1x1804xx_SZPG_TD_German.idw |            |          |                                                  |        |                                                                                                                                                                                    |        |                        |                                                                                                                                                                  |         | V30                              |   |         |

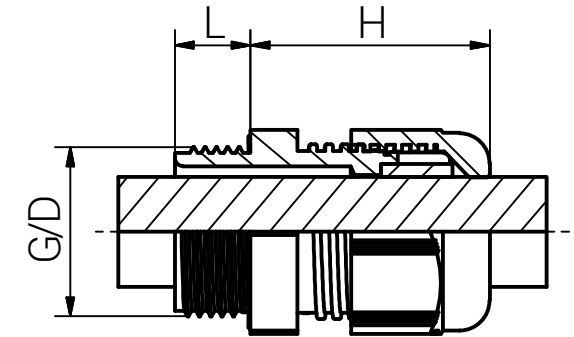
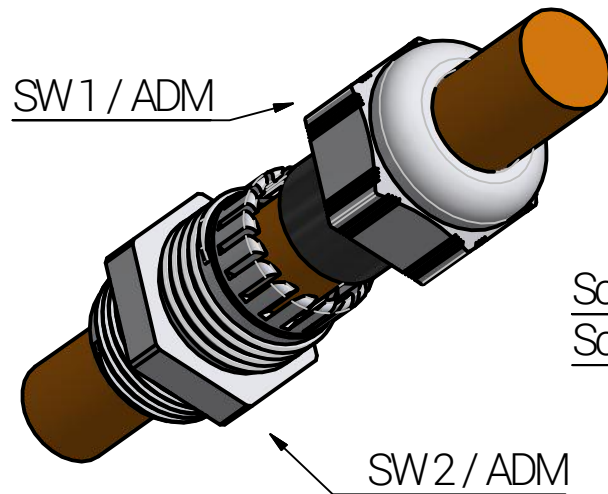
# Mounting Instruction



| Article                                                                                                                    |              |          | Thread<br>G | Clamping Range<br>(mm)                                                                                             |            | SW1<br>(mm)                                                                                                                                               | SW2<br>(mm) | L<br>(mm)                                      | H<br>max.<br>(mm) | D<br>(mm)                                | Non Threaded<br>Enclosure<br>(mm) | Tightening<br>Torque (Nm)<br>TT                                                                                                                                                    |      | Impact<br>Category<br>* |         |                                                                                                                                                                  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------|--------------|----------|-------------|--------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------|-------------------|------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| RAL7035                                                                                                                    | RAL7001      | RAL9005  |             | ≥                                                                                                                  | ≤          |                                                                                                                                                           |             |                                                |                   |                                          |                                   | Cap                                                                                                                                                                                | Body |                         |         |                                                                                                                                                                  |  |  |  |
| 11180407                                                                                                                   | 12180407     | 13180407 | PG7         | 2,0                                                                                                                | 5,0        | 15                                                                                                                                                        | 15          | 8,0                                            | 22,0              | 12,5                                     | 12,7                              | 2,0                                                                                                                                                                                | 2,0  | 2                       |         |                                                                                                                                                                  |  |  |  |
| 11180409                                                                                                                   | 12180409     | 13180409 | PG9         | 2,0                                                                                                                | 6,0        | 19                                                                                                                                                        | 19          | 8,0                                            | 26,5              | 15,2                                     | 15,4                              | 2,0                                                                                                                                                                                | 2,5  | 2                       |         |                                                                                                                                                                  |  |  |  |
| 11180411                                                                                                                   | 12180411     | 13180411 | PG11        | 3,0                                                                                                                | 7,0        | 22                                                                                                                                                        | 22          | 8,0                                            | 29,0              | 18,6                                     | 18,8                              | 3,0                                                                                                                                                                                | 2,5  | 2                       |         |                                                                                                                                                                  |  |  |  |
| 11180413                                                                                                                   | 12180413     | 13180413 | PG13,5      | 5,0                                                                                                                | 9,0        | 24                                                                                                                                                        | 24          | 10,0                                           | 29,0              | 20,4                                     | 20,7                              | 5,0                                                                                                                                                                                | 3,5  | 2                       |         |                                                                                                                                                                  |  |  |  |
| 11180416                                                                                                                   | 12180416     | 13180416 | PG16        | 7,0                                                                                                                | 12,0       | 27                                                                                                                                                        | 27          | 10,0                                           | 31,0              | 22,5                                     | 22,8                              | 5,5                                                                                                                                                                                | 3,5  | 2                       |         |                                                                                                                                                                  |  |  |  |
| 11180421                                                                                                                   | 12180421     | 13180421 | PG21        | 9,0                                                                                                                | 16,0       | 33                                                                                                                                                        | 33          | 11,0                                           | 37,0              | 28,3                                     | 28,6                              | 7,0                                                                                                                                                                                | 3,5  | 4                       |         |                                                                                                                                                                  |  |  |  |
| 11180429                                                                                                                   | 12180429     | 13180429 | PG29        | 12,0                                                                                                               | 20,0       | 42                                                                                                                                                        | 42          | 11,0                                           | 41,0              | 32,0                                     | 37,4                              | 12,0                                                                                                                                                                               | 5,0  | 4                       |         |                                                                                                                                                                  |  |  |  |
| 11180436                                                                                                                   | 12180436     | 13180436 | PG36        | 20,0                                                                                                               | 26,0       | 53                                                                                                                                                        | 53          | 13,0                                           | 51,5              | 47,0                                     | 47,5                              | 15,0                                                                                                                                                                               | 5,0  | 4                       |         |                                                                                                                                                                  |  |  |  |
| 11180442                                                                                                                   | 12180442     | 13180442 | PG42        | 25,0                                                                                                               | 31,0       | 60                                                                                                                                                        | 60          | 13,0                                           | 53,5              | 54,0                                     | 54,5                              | 18,0                                                                                                                                                                               | 8,0  | 4                       |         |                                                                                                                                                                  |  |  |  |
| 11180448                                                                                                                   | 12180448     | 13180448 | PG48        | 29,0                                                                                                               | 35,0       | 65                                                                                                                                                        | 65          | 14,0                                           | 53,5              | 59,3                                     | 59,8                              | 21,0                                                                                                                                                                               | 12,0 | 4                       |         |                                                                                                                                                                  |  |  |  |
| <div><br/>connected by competence</div> |              |          |             |                                                                                                                    |            | RST Rabe-System-Technik und Vertriebs-GmbH<br>Otto-Lilienthal-Strasse 19<br>49134 Wallenhorst<br>☎ +49 5407 8766-0<br>☎ +49 5407 8766-99<br>✉ info@rst.eu |             |                                                |                   |                                          |                                   | Unless otherwise specified on the drawing:<br>Metric Thread = EN 60423<br>PG Thread = DIN 40430<br>NPT Thread = ANSI B1.20.1<br>Tolerance: DIN ISO 2768-m<br>All dimensions in mm. |      |                         |         | Abusively use, in particular reproduction and dissemination to third parties is not permitted. You can be punished by civil law. Technical changes are reserved. |  |  |  |
|                                                                                                                            |              |          |             |                                                                                                                    | Date       | Name                                                                                                                                                      |             | Euro-Top Polyamide PG<br>with Reducing Sealing |                   |                                          |                                   |                                                                                                                                                                                    |      |                         |         |                                                                                                                                                                  |  |  |  |
|                                                                                                                            |              |          |             | Draw.                                                                                                              | 10.05.2021 | SL                                                                                                                                                        |             |                                                |                   |                                          |                                   |                                                                                                                                                                                    |      |                         |         |                                                                                                                                                                  |  |  |  |
|                                                                                                                            |              |          |             | Appr.                                                                                                              | 10.05.2021 | KH                                                                                                                                                        |             |                                                |                   |                                          |                                   |                                                                                                                                                                                    |      |                         |         |                                                                                                                                                                  |  |  |  |
|                                                                                                                            |              |          |             | Norm                                                                                                               |            |                                                                                                                                                           |             |                                                |                   |                                          |                                   |                                                                                                                                                                                    |      |                         |         |                                                                                                                                                                  |  |  |  |
|                                                                                                                            |              |          |             | Scale:                                                                                                             |            | 1:1                                                                                                                                                       |             |                                                |                   |                                          |                                   |                                                                                                                                                                                    |      |                         |         |                                                                                                                                                                  |  |  |  |
|                                                                                                                            |              |          |             | Material:                                                                                                          |            |                                                                                                                                                           | Polyamide   |                                                |                   | Drawing-Nr.:<br>1x1804xx_SZPG_TD_English |                                   |                                                                                                                                                                                    |      | 1                       | of<br>1 |                                                                                                                                                                  |  |  |  |
|                                                                                                                            |              |          |             |                                                                                                                    |            |                                                                                                                                                           |             |                                                |                   |                                          |                                   |                                                                                                                                                                                    |      | A4                      |         |                                                                                                                                                                  |  |  |  |
| Status                                                                                                                     | Modification | Date     | Name        | Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x1804xx_SZPG_TD\Euro-Top-02-1-BG-0001-1x1804xx_SZPG_TD_English.idw |            |                                                                                                                                                           |             |                                                |                   |                                          |                                   |                                                                                                                                                                                    |      |                         | V14     |                                                                                                                                                                  |  |  |  |



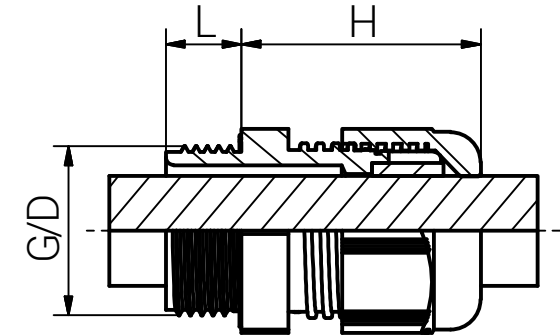
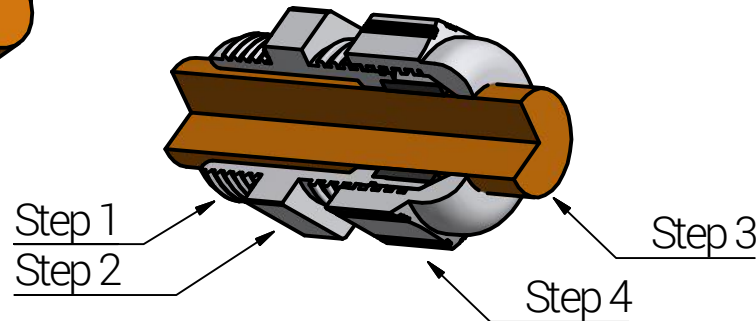
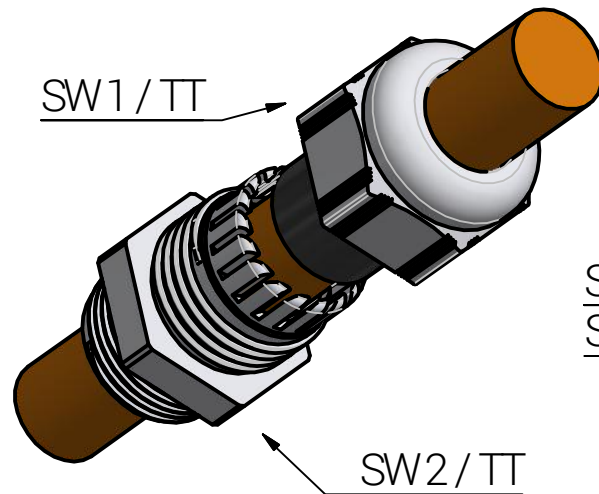
# Montageanleitung



|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------|----------|--------------|----------------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Schritt                                                                                                                                                            | Montageschritt<br>(Die Installation sollte nur von einem qualifizierten Elektriker durchgeführt werden, der in der Installation von Kabelverschraubungen geschult ist.) | Artikel                                                                                                        |          |          | Gewinde<br>G | Klemmbereich<br>(mm) |      | SW1<br>(mm) | SW2<br>(mm)                                                                                                                                               | L<br>(mm) | H<br>max.<br>(mm) | D<br>(mm) | Durchgangsbohrung<br>(mm)                                                                                                                                                          | Anzugsdrehmoment (Nm)<br>ADM |         | Kategorie der<br>Schlageinwirkung *                                                                                                                            |  |
| 1                                                                                                                                                                  | Kabelverschraubung mit dem Anschlussgewinde am Gegenstück (z.B. Elektronikgehäuse) montieren.                                                                           | RAL7035                                                                                                        | RAL7001  | RAL9005  |              | ≥                    | ≤    |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    | Hutmutter                    | Stutzen |                                                                                                                                                                |  |
| 2                                                                                                                                                                  | Stutzen mit in der Tabelle angegebenen ADM anziehen. Zu festes Anziehen kann zu Beschädigungen führen.                                                                  | 11080038                                                                                                       | 12080038 | 13080038 | NPT3/8"      | 5,0                  | 10,0 | 22          | 22                                                                                                                                                        | 15,0      | 29,0              | 17,14     | –                                                                                                                                                                                  | 2,5                          | 1,0     | 2                                                                                                                                                              |  |
|                                                                                                                                                                    |                                                                                                                                                                         | 11080012                                                                                                       | 12080012 | 13080012 | NPT1/2"      | 6,0                  | 12,0 | 24          | 24                                                                                                                                                        | 15,0      | 29,0              | 21,34     | –                                                                                                                                                                                  | 5,0                          | 2,0     | 2                                                                                                                                                              |  |
|                                                                                                                                                                    |                                                                                                                                                                         | 11085012                                                                                                       | 12085012 | 13085012 | NPT1/2"      | 10,0                 | 14,0 | 27          | 27                                                                                                                                                        | 15,0      | 31,0              | 21,34     | –                                                                                                                                                                                  | 5,0                          | 2,0     | 2                                                                                                                                                              |  |
|                                                                                                                                                                    |                                                                                                                                                                         | 11085034                                                                                                       | 12085034 | 13085034 | NPT3/4"      | 13,0                 | 18,0 | 33          | 33                                                                                                                                                        | 15,0      | 37,0              | 26,67     | –                                                                                                                                                                                  | 9,0                          | 3,0     | 4                                                                                                                                                              |  |
| 3                                                                                                                                                                  | Kabel durch die Kabelverschraubungen führen.                                                                                                                            | 11080100                                                                                                       | 12080100 | 13080100 | NPT 1"       | 18,0                 | 25,0 | 42          | 42                                                                                                                                                        | 18,0      | 41,0              | 33,40     | –                                                                                                                                                                                  | 9,5                          | 4,0     | 4                                                                                                                                                              |  |
| 4                                                                                                                                                                  | Hutmutter soweit anziehen, dass der Dichteinsatz seine Funktion erfüllt. Zu festes Anziehen kann zu Beschädigungen führen.                                              | <br>connected by competence |          |          |              |                      |      |             | RST Rabe-System-Technik und Vertriebs-GmbH<br>Otto-Lilienthal-Strasse 19<br>49134 Wallenhorst<br>☎ +49 5407 8766-0<br>☎ +49 5407 8766-99<br>✉ info@rst.eu |           |                   |           | Unless otherwise specified on the drawing:<br>Metric Thread = EN 60423<br>PG Thread = DIN 40430<br>NPT Thread = ANSI B1.20.1<br>Tolerance: DIN ISO 2768-m<br>All dimensions in mm. |                              |         | Abusive use, in particular reproduction and dissemination to third parties is not permitted. You can be punished by civil law. Technical changes are reserved. |  |
| Durchmesser des Montagelochs:<br>- Gewindebohrung gemäß ANSI B1.20.1                                                                                               |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
| Zugentlastung gemäß EN 62444: 2013 *<br>- Klemmbereich 2-4 mm = Rückhaltevermögen<br>- Klemmbereich 3-4 mm nur bei M12 = Rückhaltevermögen<br>- Rest = Kategorie A |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
| IP-Schutzart ist IP 68 (5 bar / 30 min.) / IP 66.                                                                                                                  |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
| * Von metrischen Größen übernommen.                                                                                                                                |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
| Einsatztemperatur: -40°C* bis +100°C<br>kurzfristig bis +150°C<br>* IP-Schutzarten und Zugentlastung nach EN 62444 werden aufrecht erhalten.                       |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
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|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |
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|                                                                                                                                                                    |                                                                                                                                                                         |                                                                                                                |          |          |              |                      |      |             |                                                                                                                                                           |           |                   |           |                                                                                                                                                                                    |                              |         |                                                                                                                                                                |  |

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

# Mounting Instruction



| Step                                                                                                                                                                             | Assembly Steps<br>(The installation should only be done by a qualified electrician who are trained in the installation of cable glands.) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                                                | Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure).                                         |
| 2                                                                                                                                                                                | Tighten the body rel. to the TT mentioned in the table. Over tightening may cause damage.                                                |
| 3                                                                                                                                                                                | Pass the cable through the cable gland.                                                                                                  |
| 4                                                                                                                                                                                | Tighten the cap until the seal fulfills its function. Over tightening may cause damage.                                                  |
| Diameter of the mounting hole:<br>- Threaded hole according to ANSI B1.20.1                                                                                                      |                                                                                                                                          |
| Type of cable anchorage according to EN62444:2013*<br>- Clamping range 2-4mm = cable retention<br>- Clamping range 3-4mm only at M12 = cable retention<br>- Balance = Category A |                                                                                                                                          |
| Protection Class: A IP 68 (5 bar / 30 min.) / IP 66.                                                                                                                             |                                                                                                                                          |
| * Adopted by metric sizes.                                                                                                                                                       |                                                                                                                                          |
| Operating Temperature: -40°C* to +100°C<br>intermittent up +150°C                                                                                                                |                                                                                                                                          |
| * Protection Class and strain relief acc. to EN62444 are maintained.                                                                                                             |                                                                                                                                          |

| Article  |          |          | Thread  | Clamping Range (mm) |      | SW1 (mm) | SW2 (mm) | L (mm) | H max. (mm) | D (mm) | Non Threaded Enclosure (mm) | Tightening Torque (Nm) TT |      | Impact Category * |
|----------|----------|----------|---------|---------------------|------|----------|----------|--------|-------------|--------|-----------------------------|---------------------------|------|-------------------|
| RAL7035  | RAL7001  | RAL9005  | G       | ≥                   | ≤    |          |          |        |             |        |                             | Cap                       | Body |                   |
| 11080038 | 12080038 | 13080038 | NPT3/8" | 5,0                 | 10,0 | 22       | 22       | 15,0   | 29,0        | 17,14  | —                           | 2,5                       | 1,0  | 2                 |
| 11080012 | 12080012 | 13080012 | NPT1/2" | 6,0                 | 12,0 | 24       | 24       | 15,0   | 29,0        | 21,34  | —                           | 5,0                       | 2,0  | 2                 |
| 11085012 | 12085012 | 13085012 | NPT1/2" | 10,0                | 14,0 | 27       | 27       | 15,0   | 31,0        | 21,34  | —                           | 5,0                       | 2,0  | 2                 |
| 11085034 | 12085034 | 13085034 | NPT3/4" | 13,0                | 18,0 | 33       | 33       | 15,0   | 37,0        | 26,67  | —                           | 9,0                       | 3,0  | 4                 |
| 11080100 | 12080100 | 13080100 | NPT1"   | 18,0                | 25,0 | 42       | 42       | 18,0   | 41,0        | 33,40  | —                           | 9,5                       | 4,0  | 4                 |



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✉ info@rst.eu

Unless otherwise specified on the drawing:  
Metric Thread = EN 60423  
PG Thread = DIN 40430  
NPT Thread = ANSI B1.20.1  
Tolerance: DIN ISO 2768-m  
All dimensions in mm.

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|        |                      |            |      |                                                                                                                      |            |                                                      |  |    |     |     |
|--------|----------------------|------------|------|----------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------|--|----|-----|-----|
|        |                      |            |      | Date                                                                                                                 | Name       | Euro-Top Polyamide NPT                               |  |    |     |     |
|        |                      |            |      | Draw.                                                                                                                | 16.07.2018 |                                                      |  |    |     | SL  |
|        |                      |            |      | Appr.                                                                                                                | 16.07.2018 |                                                      |  |    |     | KH  |
|        |                      |            |      | Norm                                                                                                                 |            |                                                      |  |    |     |     |
|        |                      |            |      | Scale:                                                                                                               |            |                                                      |  |    |     | 1:1 |
| C      | TT + text            | 09.11.2020 | SL   | Material:<br><div>Polyamide</div>                                                                                    |            | Drawing-Nr.:<br><div>1x08xxxx_SZNPT_TD_English</div> |  | 1  | of  |     |
| B      | Tightening Torque    | 20.03.2019 | SL   |                                                                                                                      |            |                                                      |  | 1  |     |     |
| A      | Operating Temp. cpl. | 17.01.2019 | SL   |                                                                                                                      |            |                                                      |  | A4 |     |     |
| Status | Modification         | Date       | Name | Z:\Inventor\Montageanleitung\Euro-Top-Polyamid\1x08xxxx_SZNPT_TD\Euro-Top-03-1-BG-0001-1x08xxxx_SZNPT_TD_English.idw |            |                                                      |  |    | V10 |     |

### Montageanleitung

SW1 / ADM

SW2 / ADM

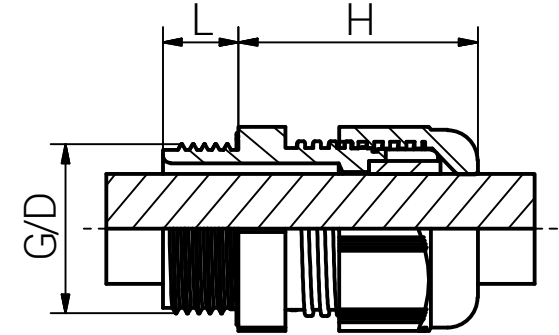
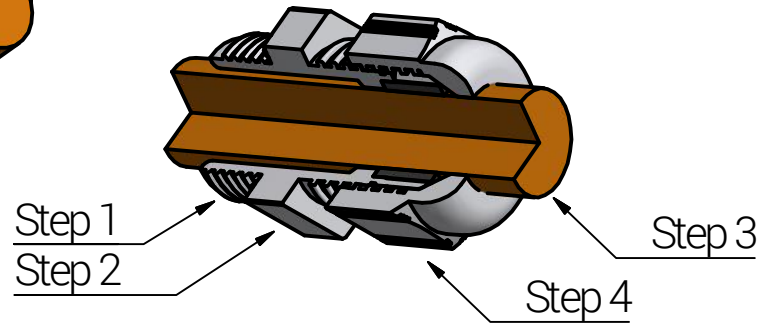
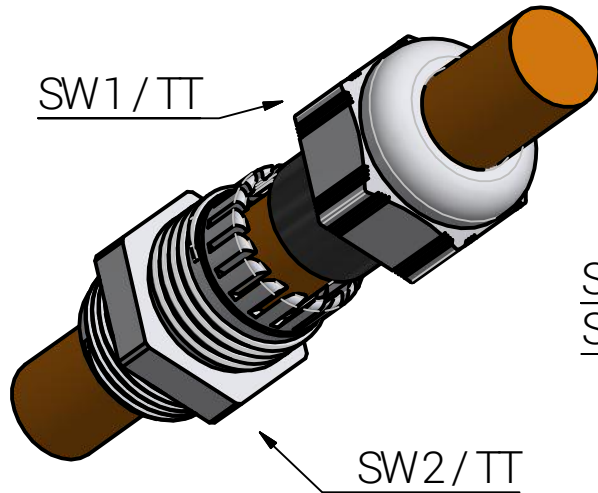
Schritt 1  
Schritt 2

Schritt 3  
Schritt 4

Technical drawing showing dimensions: L, H, G/D.

Bitte beachten Sie, dass es sich bei der o.a. Darstellung nur um ein Maßbild handelt.

## Mounting Instruction



|                                                                                                                                                                                  |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      |                               |             |                                                                                                                                                           |                                                  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------|----------|-------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Step                                                                                                                                                                             | Assembly Steps<br>(The installation should only be done by a qualified electrician who are trained in the installation of cable glands.) |                                                                                                                |              |          |             |                                                                                                                      |                               |             |                                                                                                                                                           |                                                  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
| 1                                                                                                                                                                                | Mount the cable gland with the connection thread on the counterpart (e.g. electronic enclosure).                                         | Article                                                                                                        |              |          | Thread<br>G | Clamping Range<br>(mm)                                                                                               |                               | SW1<br>(mm) | SW2<br>(mm)                                                                                                                                               | L<br>(mm)                                        | H<br>max.<br>(mm) | D<br>(mm) | Non Threaded<br>Enclosure<br>(mm)                                                                                                                                                  | Tightening<br>Torque (Nm)<br>TT |          | Impact<br>Category<br>*                                                                                                                                                   |  |
|                                                                                                                                                                                  |                                                                                                                                          | RAL7035                                                                                                        | RAL7001      | RAL9005  |             | ≥                                                                                                                    | ≤                             |             |                                                                                                                                                           |                                                  |                   |           |                                                                                                                                                                                    | Cap                             | Body     |                                                                                                                                                                           |  |
|                                                                                                                                                                                  |                                                                                                                                          | 11180038                                                                                                       | 12180038     | 13180038 | NPT3/8"     | 3,0                                                                                                                  | 7,0                           | 22          | 22                                                                                                                                                        | 15,0                                             | 29,0              | 17,14     | –                                                                                                                                                                                  | 3,0                             | 1,0      | 2                                                                                                                                                                         |  |
| 2                                                                                                                                                                                | Tighten the body relating to the TT mentioned in the table.<br>Over tightening may cause damage.                                         | 11180012                                                                                                       | 12180012     | 13180012 | NPT1/2"     | 5,0                                                                                                                  | 9,0                           | 24          | 24                                                                                                                                                        | 15,0                                             | 29,0              | 21,34     | –                                                                                                                                                                                  | 5,0                             | 2,0      | 2                                                                                                                                                                         |  |
|                                                                                                                                                                                  |                                                                                                                                          | 11185012                                                                                                       | 12185012     | 13185012 | NPT1/2"     | 7,0                                                                                                                  | 12,0                          | 27          | 27                                                                                                                                                        | 15,0                                             | 31,0              | 21,34     | –                                                                                                                                                                                  | 5,5                             | 2,0      | 2                                                                                                                                                                         |  |
| 3                                                                                                                                                                                | Pass the cable through the cable gland.                                                                                                  | 11185034                                                                                                       | 12185034     | 13185034 | NPT3/4"     | 9,0                                                                                                                  | 16,0                          | 33          | 33                                                                                                                                                        | 15,0                                             | 37,0              | 26,67     | –                                                                                                                                                                                  | 7,0                             | 3,0      | 4                                                                                                                                                                         |  |
|                                                                                                                                                                                  |                                                                                                                                          | 11180100                                                                                                       | 12180100     | 13180100 | NPT 1"      | 12,0                                                                                                                 | 20,0                          | 42          | 42                                                                                                                                                        | 18,0                                             | 41,0              | 33,40     | –                                                                                                                                                                                  | 12,0                            | 4,0      | 4                                                                                                                                                                         |  |
| 4                                                                                                                                                                                | Tighten the cap until the seal fulfills its function.<br>Over tightening may cause damage.                                               | <br>connected by competence |              |          |             |                                                                                                                      |                               |             | RST Rabe-System-Technik und Vertriebs-GmbH<br>Otto-Lilienthal-Strasse 19<br>49134 Wallenhorst<br>☎ +49 5407 8766-0<br>✉ +49 5407 8766-99<br>📧 info@rst.eu |                                                  |                   |           | Unless otherwise specified on the drawing:<br>Metric Thread = EN 60423<br>PG Thread = DIN 40430<br>NPT Thread = ANSI B1.20.1<br>Tolerance: DIN ISO 2768-m<br>All dimensions in mm. |                                 |          | Abusively use, in particular reproduction<br>and dissemination to third parties is not<br>permitted. You can be punished by civil<br>law. Technical changes are reserved. |  |
| Diameter of the mounting hole:<br>- Threaded hole according to ANSI B1.20.1                                                                                                      |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      | Date                          | Name        |                                                                                                                                                           | Euro-Top Polyamide NPT<br>with Reducing Sealing  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
| Type of cable anchorage according to EN62444:2013*<br>- Clamping range 2-4mm = cable retention<br>- Clamping range 3-4mm only at M12 = cable retention<br>- Balance = Category A |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      | Draw.                         | 10.05.2021  | SL                                                                                                                                                        |                                                  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
| Protection Class: A IP 68 (5 bar / 30 min.) / IP 66.                                                                                                                             |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      | Appr.                         | 10.05.2021  | KH                                                                                                                                                        |                                                  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
| * Adopted by metric sizes.                                                                                                                                                       |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      | Norm                          |             |                                                                                                                                                           |                                                  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
| Operating Temperature: -40°C* to +100°C<br>intermittent up +150°C<br>* Protection Class and strain relief acc. to EN62444<br>are maintained.                                     |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      | Scale:                        |             | 1:1                                                                                                                                                       |                                                  |                   |           |                                                                                                                                                                                    |                                 |          |                                                                                                                                                                           |  |
|                                                                                                                                                                                  |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      | Material:<br><b>Polyamide</b> |             |                                                                                                                                                           | Drawing-Nr.:<br><b>1x18xxxx_SZNPT_TD_English</b> |                   |           |                                                                                                                                                                                    |                                 | <b>1</b> | of<br>1                                                                                                                                                                   |  |
|                                                                                                                                                                                  |                                                                                                                                          |                                                                                                                |              |          |             |                                                                                                                      |                               |             |                                                                                                                                                           |                                                  |                   |           |                                                                                                                                                                                    |                                 | A4       |                                                                                                                                                                           |  |
|                                                                                                                                                                                  |                                                                                                                                          | Status                                                                                                         | Modification | Date     | Name        | Z:\Inventor\Montageanleitung\Euro-Top\Polyamid\1x18xxxx_SZNPT_TD\Euro-Top-03-1-BG-0001-1x18xxxx_SZNPT_TD_English.idw |                               |             |                                                                                                                                                           |                                                  |                   |           |                                                                                                                                                                                    |                                 |          | V16                                                                                                                                                                       |  |

Please note that the above representation is just a dimension illustration.