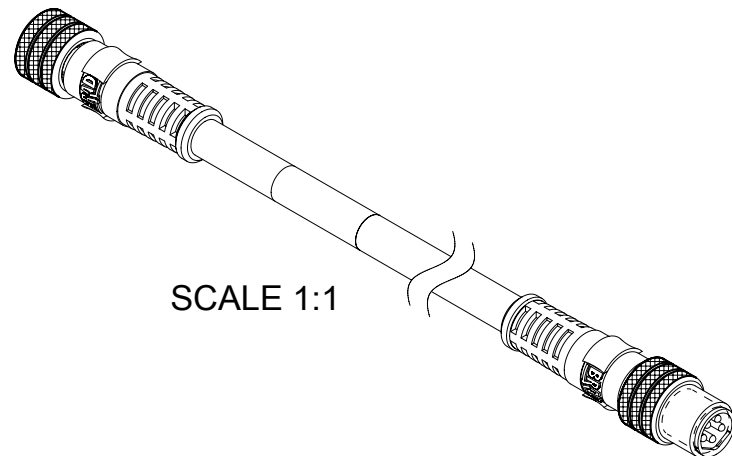


9	8	7	6	5	4	3	2	1
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RATED VOLTAGE: 3 contacts 60V AC/DC
4 and 5 contacts 30V AC/DC
CURRENT RATING: 3, 4, 5 contacts 3A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°C

	3 CONTACTS	4 CONTACTS	5 CONTACTS																																				
FEMALE																																							
MALE																																							
CONNECTIONS	<table border="1"> <tr> <th>PIN</th><th>WIRE</th></tr> <tr> <td>1</td><td>BROWN</td></tr> <tr> <td>3</td><td>BLUE</td></tr> <tr> <td>4</td><td>BLACK</td></tr> <tr> <td></td><td></td></tr> <tr> <td></td><td></td></tr> </table>	PIN	WIRE	1	BROWN	3	BLUE	4	BLACK					<table border="1"> <tr> <th>PIN</th><th>WIRE</th></tr> <tr> <td>1</td><td>BROWN</td></tr> <tr> <td>2</td><td>WHITE</td></tr> <tr> <td>3</td><td>BLUE</td></tr> <tr> <td>4</td><td>BLACK</td></tr> <tr> <td></td><td></td></tr> </table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK			<table border="1"> <tr> <th>PIN</th><th>WIRE</th></tr> <tr> <td>1</td><td>BROWN</td></tr> <tr> <td>2</td><td>WHITE</td></tr> <tr> <td>3</td><td>BLUE</td></tr> <tr> <td>4</td><td>BLACK</td></tr> <tr> <td>5</td><td>GREY</td></tr> </table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY
PIN	WIRE																																						
1	BROWN																																						
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4	BLACK																																						
5	GREY																																						
CODING ACCORDING TO IEC 61076-2-104																																							

11	1	INSERT MALE BLACK	TPU	---
10	3 / 4 / 5	CONTACT M8 MALE	BRASS	SELECTIVE Au OVER Ni
9	1	SLEEVE	BRASS	NICKEL
8	1	COUPLING NUT M8 MALE	BRASS	NICKEL
7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES Ixx	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT M8 FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	TPU	---
2	1	O-RING RED	FKM	---
1	3 / 4 / 5	CONTACT M8 FEMALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

4

4

X

0

3

0

X

X

X

X

X

X

X

X

44=Nano-Change
M8x1
Double ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter

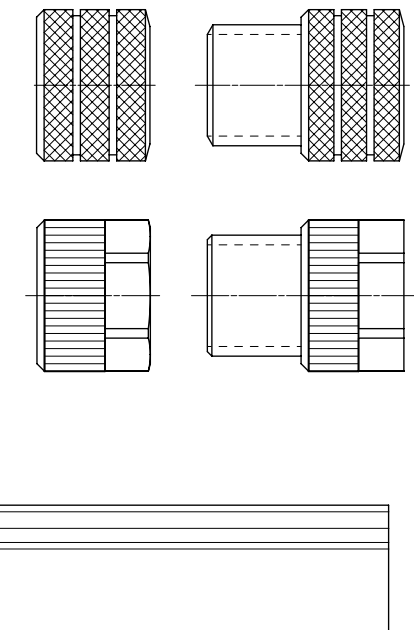
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
9=Knurled / Hexagonal SW9 Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx & P82 always with 2 pcs. of
I/D Carrier)

COUPLING NUT
FEMALE MALE



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, >10xO.D.	-10°C to +80°C, >15xO.D.	-	-
H08	3 / 4 / 5	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, >5xO.D.	-25°C to +80°C, >10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
I02	3 / 4	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
P02	3 / 4 / 5	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P82	3	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

SYMBOLS

▽ = 0

▽ = 0

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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: PN 1200878941 ADDED

EC NO: 603453
DRWN: SSM 2018/08/24
CHK'D: RSILLER 2018/08/28
APPR: RSILLER 2018/08/28

INITIAL REVISION:
DRWN: JMARSZALEK 2016/09/15
APPR: RSILLER 2017/01/11

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120087

molex

CSE M8 M8 XP AC BC FE STR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200878240

DOC TYPE

PSD

DOC PART

000

REVISION

A3

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

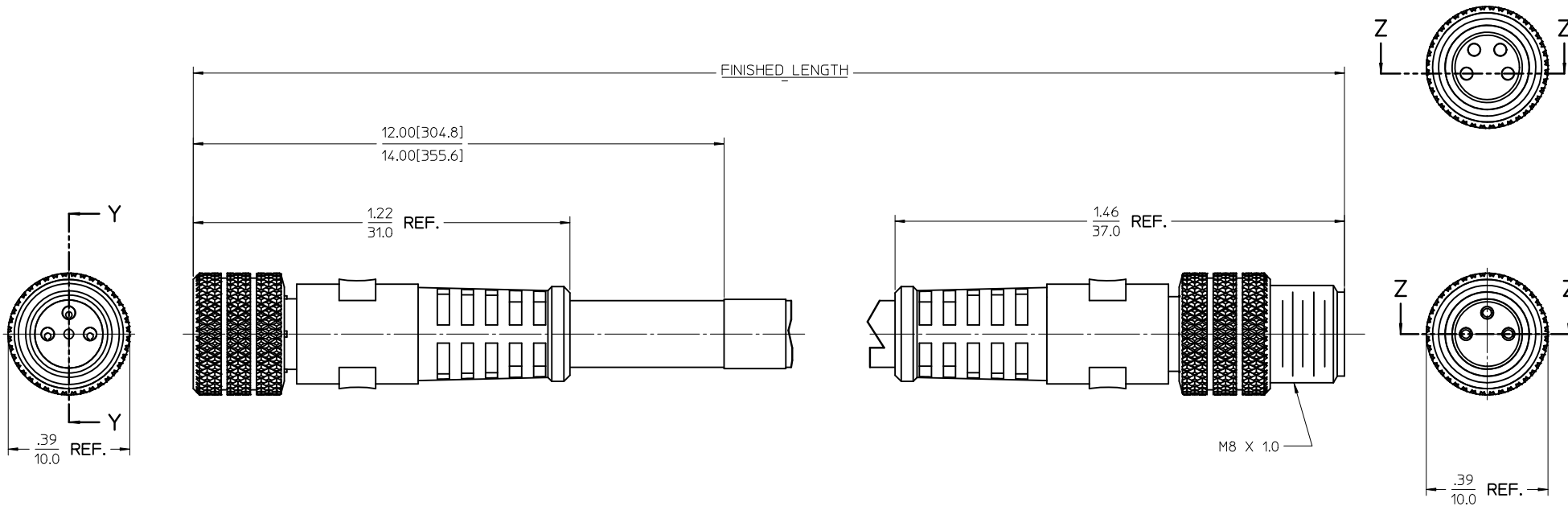
DOCUMENT STATUS | P1 | RELEASE DATE | 2018/08/28 09:12:10

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	PART LIST															
E	No.	Molex PN	Engineering No.	Cable Length	No.	Molex PN	Engineering No.	Cable Length	No.	Molex PN	Engineering No.	Cable Length	No.	Molex PN	Engineering No.	Cable Length
	1	1200271413	445030H08M010	1m	36	1200878273	443030E02M003	0.3m	71	1200878351	444030E02M025	2.5m	106	1200878643	443030E02M010H	1m
	2	1200280321	443030E02M020	2m	37	1200878274	443030E02M015	1.5m	72	1200878352	444030E02M030	3m	107	1200878644	443030E02M020H	2m
	3	1200280343	443030E02M030	3m	38	1200878275	443030E02M025H	2.5m	73	1200878353	444030E02M040	4m	108	1200878645	443030E02M030H	3m
	4	1200280384	443030I02M006	0.6m	39	1200878276	443030E02M050H	5m	74	1200878354	444030E02M050	5m	109	1200878655	443030E02M040H	4m
	5	1200280427	443030I02M010	1m	40	1200878277	443030E02M060	6m	75	1200878355	444030E02M100	10m	110	1200878658	444030E02M250	25m
	6	1200280462	443030E02M050	5m	41	1200878278	443030E02M100	10m	76	1200878356	444030H08M020	2m	111	1200878661	444030E02M015H	1.5m
	7	1200280464	443030E02M040	4m	42	1200878279	443030E02M150	15m	77	1200878357	444030P02M003	0.3m	112	1200878663	443030E02M060H	6m
	8	1200281222	443030P82M003	0.3m	43	1200878280	443030E02M010G	1m	78	1200878358	444030P02M006	0.6m	113	1200878665	444030E02M005H	0.5m
D	9	1200281282	443030E02M025	2.5m	44	1200878281	443030E02M012G	1.2m	79	1200878359	444030P02M010	1m	114	1200878666	444030E02M025H	2.5m
	10	1200281284	444030E02M015	1.5m	45	1200878282	443030I02M003	0.3m	80	1200878360	444030P02M020	2m	115	1200878671	443030E02M080H	8m
	11	1200281309	445030P02M010	1m	46	1200878283	443030I02M015	1.5m	81	1200878361	444030P02M030	3m	116	1200878689	443030E02M015H	1.5m
	12	1200281310	445030P02M050	5m	47	1200878284	443030I02M020	2m	82	1200878362	444030P02M050	5m	117	1200878692	444030E02M010H	1m
	13	1200870687	445030P02M006	0.6m	48	1200878285	443030I02M030	3m	83	1200878494	443030E02M070	7m	118	1200878693	444030E02M020H	2m
	14	1200870688	445030P02M030	3m	49	1200878286	443030I02M040	4m	84	1200878495	444030H08M010	1m	119	1200878699	443030H08M055H	5.5m
	15	1200875035	443030E02M006	0.6m	50	1200878287	443030I02M050	5m	85	1200878500	443030H08M010	1m	120	1200878808	443030H08M065H	6.5m
	16	1200878025	443030P82M006	0.6m	51	1200878288	443030I02M060	6m	86	1200878509	444030H08M050	5m	121	1200878809	443030E02M0039H	0.3m
	17	1200878035	445030P02M020	2m	52	1200878289	443030I02M070	7m	87	1200878535	443030E02M020Y	2m	122	1200878810	444030E02M0069H	0.6m
C	18	1200878036	445030P02M040	4m	53	1200878290	443030I02M100	10m	88	1200878536	443030E02M050Y	5m	123	1200878811	444030E02M0309H	3m

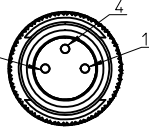
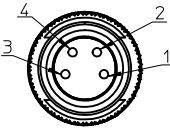
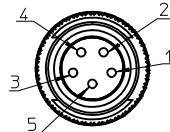
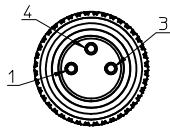
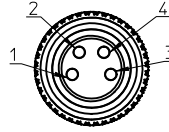
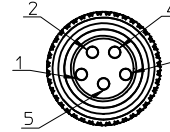
FORMAT: master-tb-prod-A3 REVISION: H DATE: 2018/01/18	9	8	
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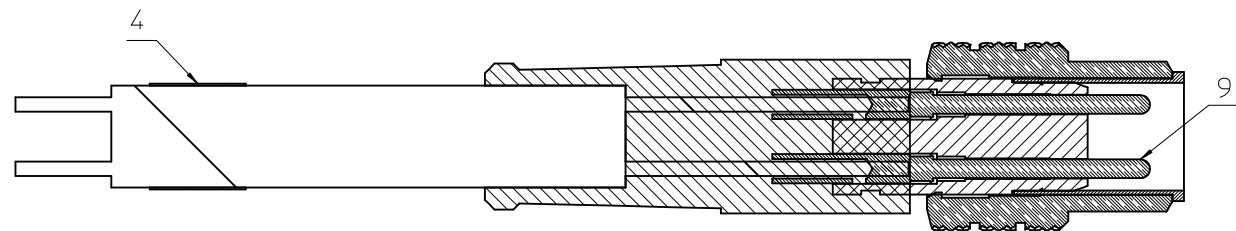
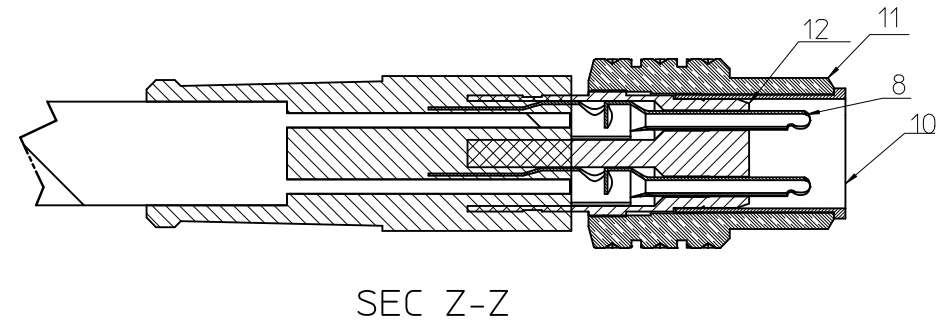
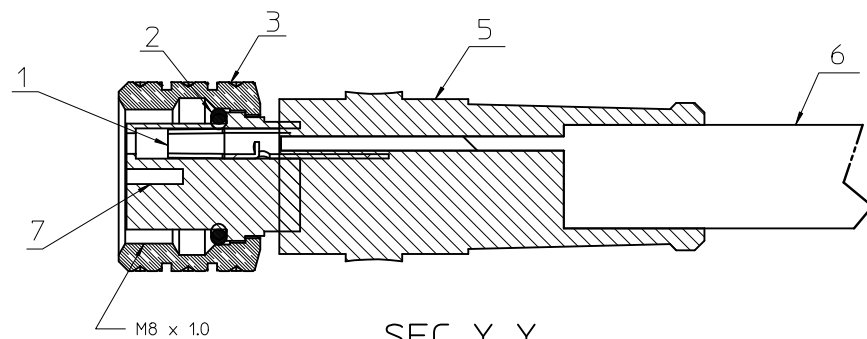
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13 12 11 10 9 8 7 6 5 4 3 2 1



ENTER DESCRIPTION EC NO: WEU2012-0001 DRWN:RSCHIEBER 2011/07/06 CHKD:REISSNER 2011/07/13 APPR:CBURGER 2011/07/20 B			DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION 	
							DRAWN BY DATE BWOODMAN 18/08/09		TITLE CSE M8 XP MA FE STR PUR PVC UN			
							CHECKED BY DATE RSTONE 18/08/09					
							APPROVED BY DATE JFMURPHY 18/08/09					
					ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SD-120028-001		1 OF 3	
					REV		SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

13	12	11	10	9	8	7	6	5	4	3	2	1
FEMALE INSERT FRONT VIEW				MALE INSERT FRONT VIEW								
3 POLE	4 POLE	5 POLE		3 POLE	4 POLE	5 POLE						
												
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY		1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY						



SECTION Z-Z
FOR 4-5 PLOE ONLY
[4 POLE SHOWN]

ENTER DESCRIPTION		EC NO: WEU2012-0001 DRAWN BY: BWOODMAN 2011/07/06 CHKDRE: ISSNER 2011/07/13 APPR: CBURGER 2011/07/20		DESCRIPTION	REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
						mm INCH		IN/MM		5:1	INCH	CSE M8 XP MA FE STR PUR PVC UN			
B				▽=0 ▽=0		4 PLACES	± ---	± ---	DRAWN BY	DATE	MOLEX INCORPORATED				
						3 PLACES	± ---	± ---	CHECKED BY	DATE					
						2 PLACES	± ---	± .01	RSTONE	18/08/09	SD-120028-001				
						1 PLACE	± 0.3	± ---	APPROVED BY	DATE					
						ANGULAR ±1/2°		JFMURPHY	18/08/09	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

