

Fiber amplifier **LOF** series



Features

- Sensitivity can be adjusted by simple operation and supports automatic calibration
- Support delayed response, increase detection stability
- Rich functions, easy to set up, and widely used
- Fixed on DIN rail for easy installation and removal

MODEL SPECIFICATION

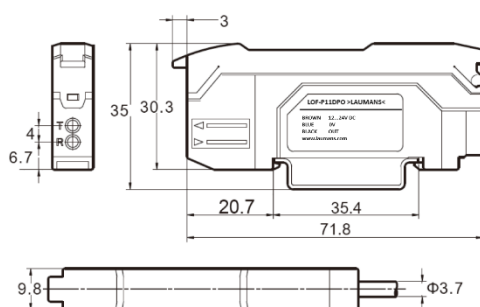
NPN	LOF N11DPO	PNP	LOF P11DPO
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SPECIFICATIONS

Light source	Red LED
Response time	50μs(HIGH SPEED)/250μs(FINE)/1ms(SUPER)/16ms(MEGA)
Output select	NO/NC Optional
Delay function	Off-delay timer/on-delay timer/single timer
Control output	NPN 0V, load current: ≤100mA ; remaining voltage: ≤1V
	PNP 0V, load current: ≤100mA ; remaining voltage: ≤1V
Protect the circuit	Short circuit protection, Overload protection, Reverse polarity protection
Supply voltage	12...24VDC±10%, Ripple (P-P):≤10%
Power consumption *	NPN: Normal: ≤900mW(24V: ≤36mA; 12V: ≤48mA); Power save mode: ≤800mW(24V: ≤32mA;12V: ≤39mA)
	PNP: Normal: ≤950mW(24V: ≤39mA; 12V: ≤52mA); Power save mode: ≤850mW(24V: ≤35mA at; 12V: ≤44mA)
Anti ambient light	Incandescent: ≤20,000lux; Daylight: ≤30,000lux
Ambient temperature	-20...55°C (No freezing)
Environment humidity	35...85%RH (No condensation)
Vibration resistance	10...55Hz, Dual amplitude 1.5mm(2 hours each in X, Y, Z directions)
Impulse withstand	500m/s ² , 3 times each for X,Y,Z direction
Housing material	PC
Connection method	2m PVC cable
Weight	+/- 66g

*High speed mode makes an increase of 160mW (7mA) power consumption

DIMENSIONS



3-PIN brown/Blue/Black: 0.34mm² Cable Length: 2 m.

CIRCUIT DIAGRAM

