



LV-12SAP

Amplifier Unit, Expansion Unit, PNP



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

This model has been discontinued.

Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Multi-Purpose Digital Laser Sensor - LV-N series](#)

Specifications

Model			LV-12SAP
Type			Expansion unit (1 line)
Main unit/expansion unit			
Applicable model			LV-S61/S41/S41L/S31/S71/S72
Control output			PNP open-collector × 2 channels, 30 VDC maximum, 100 mA or less per output
Response time	ExceptLV-S31	ULTRA	4 ms
		SUPER	2 ms
		TURBO	500 μs
		FINE	250 μs
		HSP	80 μs
	LV-S31standard mode		500 μs
	LV-S31standard mode	SPED2	2 ms
		SPED3	8 ms
		SPED4	32 ms
	LV-S31High-speed mode		250 μs
Control input			Light emission stop input, external calibration, set value bank selection input, or received light intensity shift input
Number of interference prevention units	ULTRA		4
	SUPER		
	TURBO		2
	FINE		
	HSP		0
Unit expansion			Up to 16 expansion units can be connected (a total of 17 units).*1
Rating	Power voltage		12 to 24 VDC, Ripple (P-P) 10 % or less, Class2*2
	Power consumption	Normal	1.5 W or less (62.5 mA or less at 24 V)
		Eco-Half Eco-All	1.35 W or less (57.3 mA or less at 24 V)
Environmental resistance	Ambient temperature		-10 to +55 °C 14 to 131 °F (No freezing)*3
	Vibration resistance		10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z axis
Material	Main unit		Main body, cover: Polycarbonate

Weight	Approx. 80 g (including 2 m 6.6' cable)
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*1 If more than one unit is used together, the ambient temperature varies with the conditions below. Mount the units on the DIN rail with mounting brackets and check that the output current is 20 mA or less.

1 or 2 Units: -10 to 55°C 14 to 131°F, 3 to 10 Units: -10 to 50°C 14 to 122°F, 11 to 16 Units: -10 to 45°C 14 to 113°F

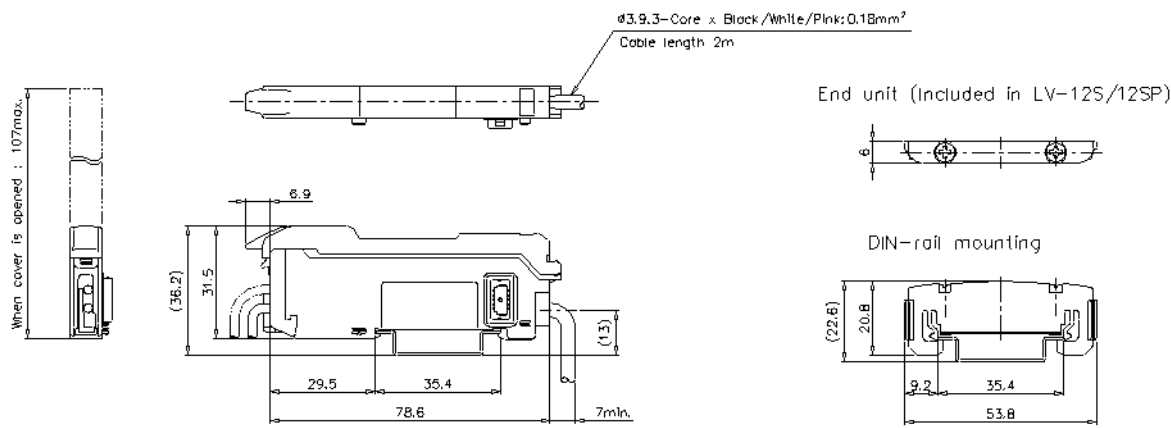
*2 When more than 8 units connected, be sure to use supply voltage 24 VDC Ripple (P-P) 10 % or less

*3 To connect several units they must be mounted on a METAL DIN rail. Ensure that the output current is 20 mA max. With several units connected, the allowable ambient temperature range varies as follows: 1 to 2 units connected: -10 to +55 °C 14 to 131°F, 3 to 10 units connected: -10 to +50 °C 14 to 122°F, 11 to 16 units connected: -10 to +45 °C 14 to 113°F

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

LV-12S/12SP



When several units are connected

