



FS-N41P

Fibre Amplifier, Cable Type, Main Unit, PNP

C € ·®·

Specifications

Model		FS-N41P
Туре		Cable
Output		PNP
Main unit/expansion unit		Main unit
Response time		$23~\mu s~(S-HSPD^{*1})~/~50~\mu s~(HSPD^{*2})~/~250~\mu s~(FINE)~/500~\mu s~(TURBO)~/~1~ms~(SUPER)~/~4~ms~(ULTRA)~/~16~ms~(MEGA)~/~64~ms~(TERA)$
Number of control outputs		1
Number of external inputs		
Light source LED		Transmitter side: Red, four-element LED (wavelength 660 nm)
Control output		Open-collector, 30 V or less 100 mA or less per output, 100 mA or less total for 2 outputs (when used as a solitary unit) / 20 mA or less (when used as an expansion unit) Residual voltage: 1.6 V or less (output current 10 mA or less) / 2.2 V or less (output current 10 to 100 mA)
External input		Input time 2 ms (ON) / 20 ms (OFF) or longer*3
Unit expansion		Up to 16 units (17 units connected in total including the main unit). However, each dual output type will be treated as two expansion units.
Protection circuit		Protection against reverse power connection, output overcurrent, output surge, and reverse output connection
Mutual interference prevention		S-HSPD/HSPD 0 units, FINE 4 units, TURBO/SUPER/ULTRA/MEGA/TERA 8 units (The mutual interference prevention values are twice those shown here when Double is set.)
Power supply	Power voltage	10 to 30 VDC (including 10% ripple (P-P) or less) , class 2 or LPS*4
	Current consumption	During normal operation: 910 mW or less (36 mA or less at 24 V/65 mA or less at 12 V) ECO ON: 840 mW or less (33 mA or less at 24 V/60 mA or less at 12 V) ECO FULL: 750 mW or less (30 mA or less at 24 V/52 mA or less at 12 V)
Environmental resistance	Ambient light	Incandescent lamp: 20,000 lux or less, sunlight: 30,000 lux or less
	Ambient temperature	-20 °C to +55 °C (no freezing)*6
	Vibration resistance	10 to 55 Hz; double amplitude 1.5 mm; 2 hours each for X, Y, and Z axes
	Shock resistance	500 m/s ² ; 3 times each for X, Y, and Z axes
Case material		Main unit and cover: polycarbonate
Weight		Approx. 78 g

*1 Restrictions when S-HSPD is selected
Area detection, Area % Mode, DATUM, Rising edge, and Falling edge cannot be selected for Detection Mode.
Output timer, Limit Detection, and Display Gain cannot be used.
FULL cannot be selected for the ECO function.

The load current is excluded. The power consumption including the load when the maximum number of state destinations of the constraint of

^{*2} Restrictions when HSPD is selected

Display Gain cannot be used.

The input time becomes 25 ms (ON)/25 ms (OFF) when external calibration input is selected.

^{*4} When expanding the system to 9 or more units, use a power supply voltage of 12 V or higher.

^{*5} The load current is excluded. The power consumption including the load when the maximum number of units are connected is 38 W max.

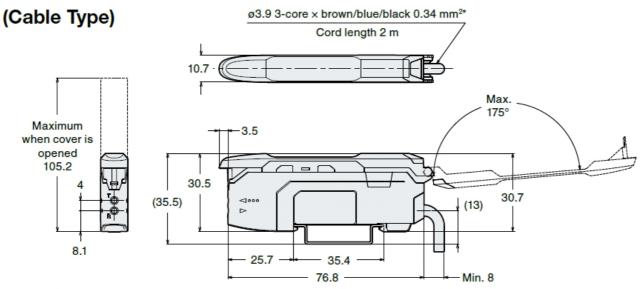


Dimensions

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

fs-n41_n43_dimension_01.gif

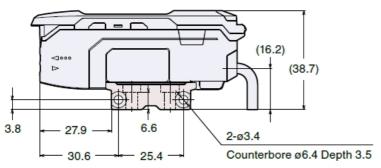
FS-N41N/N41P/N43N/N43P Main Unit



^{*} FS-N43N/N43P is ø3.9, 5-core × brown/blue 0.34 mm², black/white/pink 0.18 mm²

Amplifier Securing Bracket (OP-88245 Option, Sold Separately)

Cable Type



Back of securing bracket

