

# M12 4-Pin Connector Distribution Boxes

## PT Series



### Features

- 4-pin M12 connector type sensor distribution boxes (cable type)
- Easy check operation by operation indicator (red / green)
- Single power operates several sensors
- Convenient wiring and power line
- IP67 protection structure with water-proof cover (IP52 protection structure with protection cover)
- Supports 1-signal, 2-signal (DC 4-wire)

### Specifications

Model	PT4-2D	PT4-3D□	PT6-2D	PT6-3D□	PT8-2D	PT8-3D□
No. of port	4	4	6	6	8	8
Output type <sup>01)</sup>	2-wire (1 signal)	3-wire (1 signal)	2-wire (1 signal)	3-wire (1 signal)	2-wire (1 signal)	3-wire (1 signal)
Output logic <sup>01)</sup>	-	NPN/PNP model	-	NPN/PNP model	-	NPN/PNP model
Material	Case: PC, general cable (gray): PVC					
Approval	CE ENEC					
Unit weight (packaged) <sup>02)</sup>	≈ 660 g (≈ 700 g)		≈ 680 g (≈ 720 g)		≈ 780 g (≈ 820 g)	

01) Connect the sensor to the proper output type and logic.

02) It is based on 5 m cable.

Power supply	12-24 VDC≒
Using power supply	10-30 VDC≒
Rated current	2 A (per signal), 4 A (per port), 10 A (body)
Leakage current	≤ 0.5 mA
Connection life cycle	≥ 200 operations
Insulation resistance	≥ 50 MΩ (500 VDC≒ megger)
Dielectric strength	1500 VAC~ 50/60 Hz for 1 minute
Vibration	1.0 mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 2 hours
Shock	500 m/s <sup>2</sup> (≈ 50 G) X, Y, Z in each X, Y, Z direction for 3 times
Indicator	Power indicator: green / operation indicator: red
Cable specification	∅ 9, 8-wire (conductor cross section: 0.3 mm <sup>2</sup> , insulator diameter: ∅ 1.67)
Ambient temperature	-25 to 75 °C, storage: -30 to 80 °C (a non freezing or condensation environment)
Ambient humidity	35 to 95 %RH, storage: 35 to 95 %RH (a non freezing or condensation environment)
Protection structure <sup>01)</sup>	With connector / waterproof cover: IP67 (IEC standard) With protection cover: IP52 (IEC standard)

01) This is not applicable when connectors and protection/waterproof covers are not mounted.



View product detail