

# Cylindrical Inductive Transmission Couplers

## PET Series



### Features

- Inductive coupling allows signals to be generated and transmitted without additional power supply
- Stable operation in various environmental settings including dust or oil
- Applications: drilling, robotics, automated conveyors system, etc.

### Specifications

Installation	Flush type
Model	PET18-5
Transmitting distance	5 mm
Setting distance	1 to 4.5 mm
Response time	≤ 1 ms
Indicator	Operation indicator (red)
Approval	CE
Unit weight (package)	≈ 121 g (≈ 133 g)
Insulation type	≥ 50 MΩ (500 VDC≡ megger)
Dielectric strength	1,500 VAC~ 50 / 60 Hz for 1 min
Vibration	1 mm double amplitude at frequency 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours
Shock	500 m/s <sup>2</sup> (≈ 50 G) X, Y, Z directions for 3 times
Ambient temperature	-25 to 70 °C, storage: -30 to 80 °C (no freezing or condensation)
Ambient humidity	35 to 95 %RH, storage: 35 to 95 %RH (no freezing or condensation)
Protection structure	IP67 (IEC standards)
Connection	Cable type model
Wire spec.	Ø 5 mm, 2-wire, 2 m
Connector spec.	AWG 22 (0.08 mm, 60-core), insulator diameter: Ø 1.25 mm
Contact switch spec.	Contact resistance is ≤ 300 mΩ, open resistance is ≥ 10 MΩ, leakage current at OFF is zero.
Material	Nut/Case: nickel plated brass, washer: nickel plated steel, sensing side: PBT, Standard type cable (black): polyvinyl chloride (PVC)



View product detail