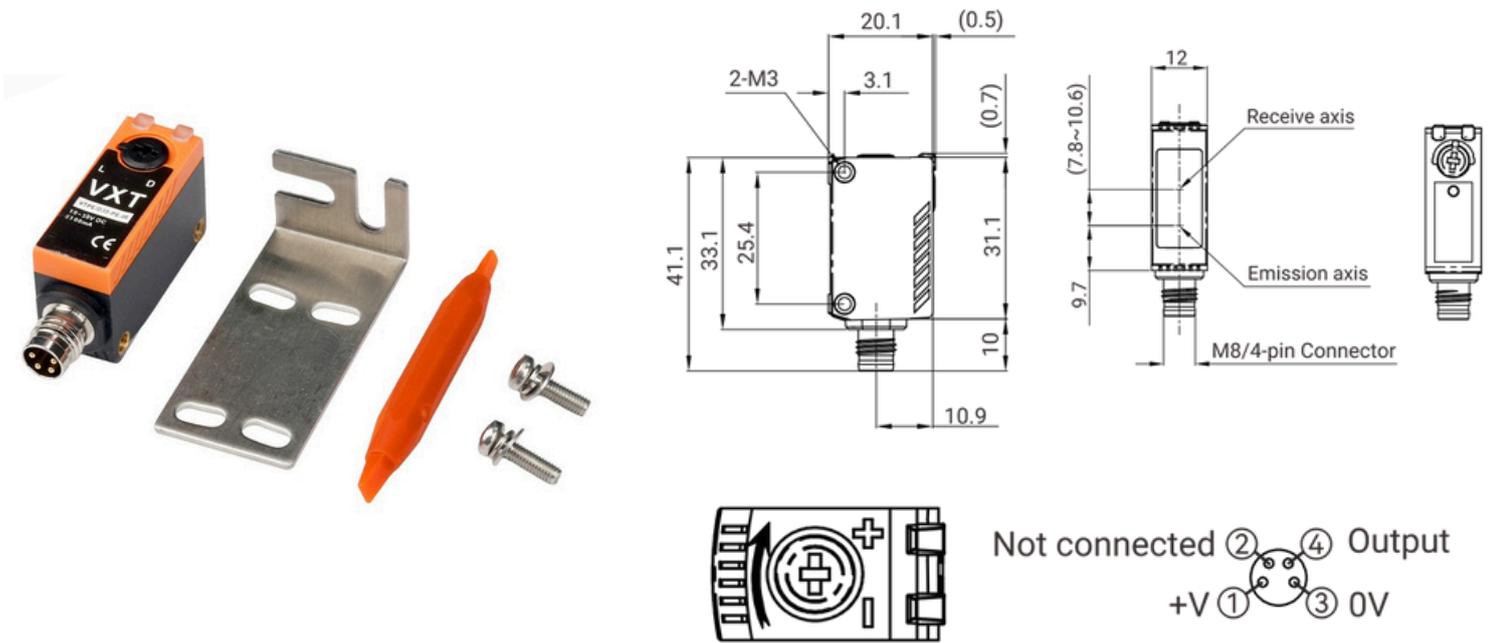


VTPE/D30-PE-IR

Photoelectric sensor

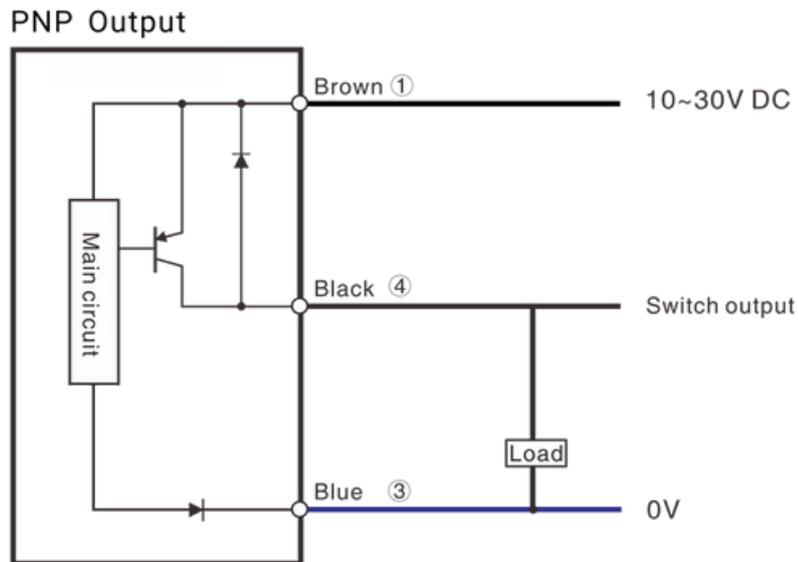


Working principle	Photoelectric sensor
Housing style	Square
Optical working principle	Background suppression diffuse reflection
Detection Range	5~300mm
Set distance	25~300mm
Spot Size	ø18mm/150mm
Light Source	Blue Light (470nm)

Technical Data

Indicator light	Operation: Green; Output: Red
Sensitivity Adjustment	6-turn potentiometer
Switch Mode	L.on (Light On)/D.on (Dark On) switchable
Output Mode	PNP open-collector type selectable
Operating Voltage	10~30V DC
Switching frequency	500Hz
Repeatability	0.05
Hysteresis	0.05
Current consumed	≤20mA
Operating Voltage	<1.5V
Load Current	≤100mA
Insulation Resistance	≥20MΩ/500V DC
Withstand Voltage	1000V AC, 50/60Hz, 1 minute
ProtectiOn Circuit	Reverse polarity protection/Surge protection/Short-circuit protection
Operating temperature	-25°C~+55°C (no freezing)
Storage Temperature	-30~+70°C (no freezing)
Operating humidity	35~85%RH (no condensation)
Ambient light	Incandescent lamp ≤3000Lux; Sunlight ≤10000Lux
Protection rating	IP67
Vibration Resistance	10~50Hz, 1.5mm amplitude, X, Y, Z directions for 2 hours each
Material	Nickel-copper alloy +PBT
Weight	Approx-10g
Connection method	M8/4 pin connector
Dimensions	31*20*11mm
Accessories	Screwdriver, Bracket, screws and Nuts
Response Time	1ms

Connecting Diagram (PNP-Output)



1. Please connect the sensor as per above wiring diagram .
2. If the wires are not connected as per connection diagram shown above, the sensor may get defective or not work

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