

P18 Tough Stock 18mm Plastic Housing 50mm Range Fixed Background Suppression Programmable



PP/P18 (50mm) range 18mm housing
Background suppression

Infrared emission

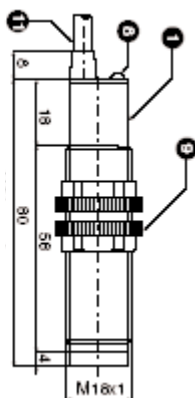
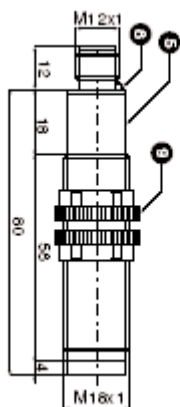
Great for use on color variations and stainless steel

4 wire 10-30VDC

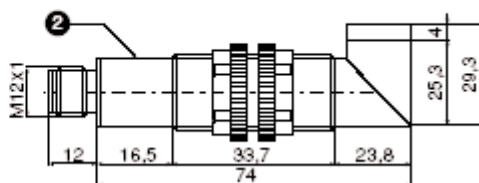
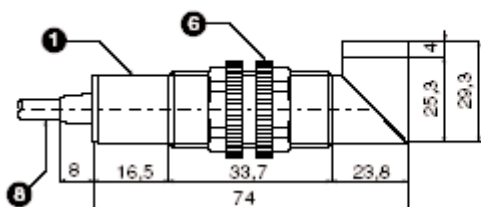
LED's for set up & diagnostics
Programmable: PNP-NPN-NO-NC (16 combinations)

M12 connector & cable available

Tough Stock series
IP67 protection degree plastic housing



- 1. - standard cable exit M1
- 5. - M12 connector exit K2
- 8. - red LED indicator
- 9. - nut/hexagon nut
- 11. - cable 4(2)X0.34mm, 4.7mm diameter, PVC, 2m



- 1. - standard cable exit M1
- 2. - M12 connector exit K2
- 6. - nut/hexagon nut
- 8. - cable 4(2)X0.34mm, 4.7mm diameter, PVC, 2m

Parts Matrix

photo electric sensor series	P	P
fixed background suppression	BZ	BZ
50mm max range	050	050
18mm diameter	9	9
PBT plastic housing	P	P
programmable	D	D
90 degree optics (radial)	R	
straight optics (axial)		T
2m standard integrated cable	M1	M1
K2 4 Pin 12mm connector	K2	K2

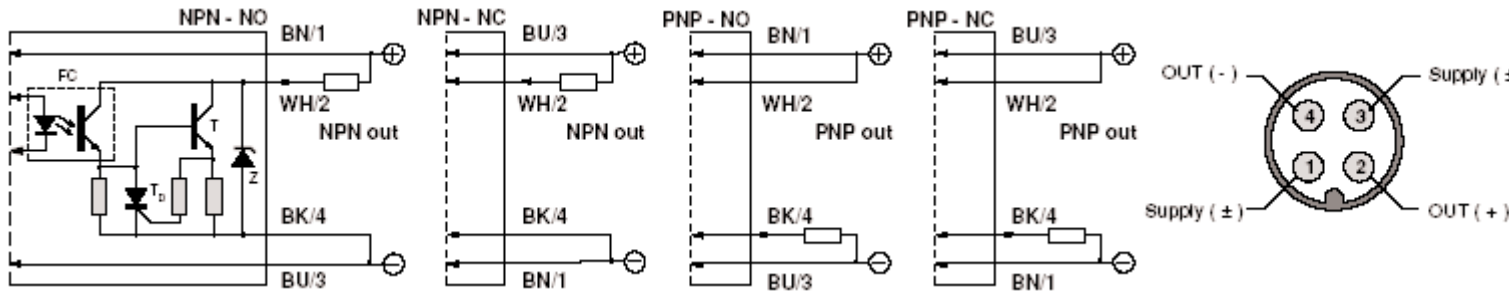
PARTS INDEX

PBZ0509PDRM1
PBZ0509PDTM1
PBZ0509PDRK2
PBZ0509PDTK2

SPECIFICATIONS

90 DEGREE M1
STRAIGHT M1
90 DEGREE K2
STRAIGHT K2

Programmable Wiring Diagram & K2 Connector Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	50mm (fixed)
Emission	infrared 880nm
Repeat accuracy	5%
Differential Travel	<5%
Operating Voltage U_b	10-30VDC
Ripple U_{pp}	<10%
No-load Supply	<40mA max
Load Current Max	100mA
Time Delay Before Available	200ms
Weight	150g
Voltage Drop U_d	1.2V max.(100mA)
Output Type	PNP/NPN NO/NC
Response Time	>2mS
Switching Frequency	80Hz
Tightening Torque	40Nm
Supply Electrical Protections	polarity reversal, transient
Output Electrical Protections	short circuit protection (autoreset)
Ambient Temperature T_a	-25--+70C
Temperature Drift	+/- 5% SR
Protection Degree (DIN 40 050)	IEC IP67
LED Indicators	Red
Housing Material	PBT
Lenses Material	plexiglass 7N