

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



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

Infrared emission

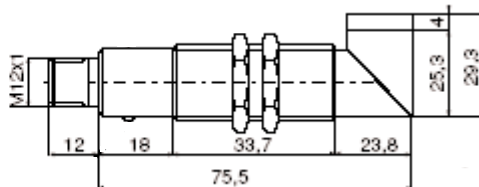
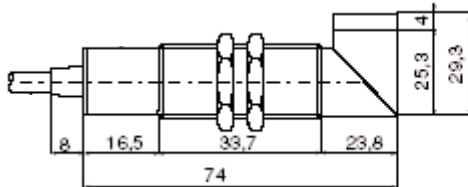
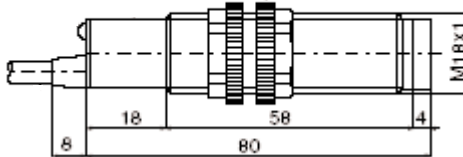
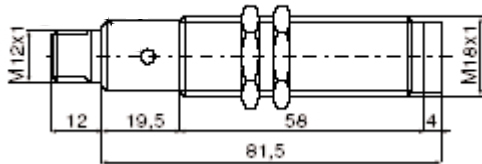
Great for use on color variations and stainless steel

4 wire 10-30VDC

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

M12/M1290 Cable/Cable90 connector available

Tough Stock series
IP67 protection degree metal housing



PARTS INDEX

- PBZ0509BDRM1
- PBZ0509BDM1
- PBZ0509BDRK1
- PBZ0509BDTK1

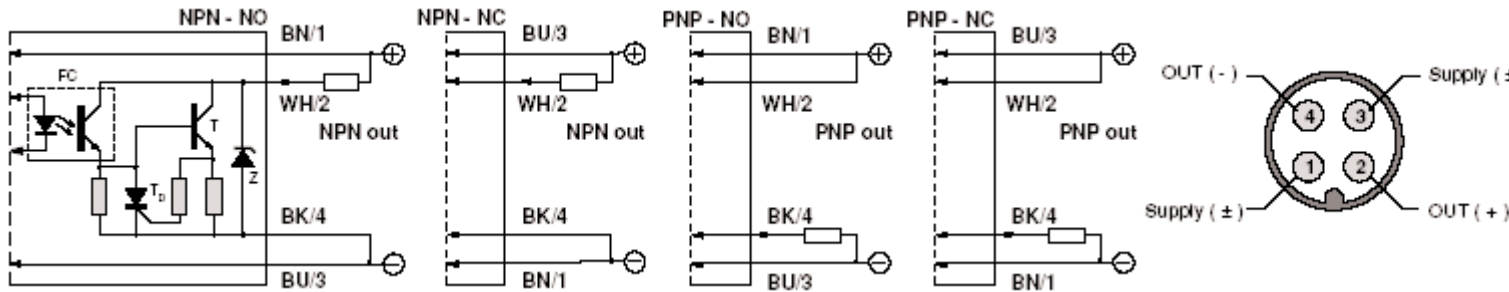
SPECIFICATIONS

- 90 DEGREE M1
- STRAIGHT M1
- 90 DEGREE K1
- STRAIGHT K1

Parts Matrix

photo electric sensor series	P	P
fixed background suppression	BZ	BZ
50mm max range	050	050
18mm diameter	9	9
NBT metal housing	B	B
programmable	D	D
90 degree optics (radial)	R	
straight optics (axial)		T
2m standard integrated cable	M1	M1
K1 4 Pin 12mm connector	K1	K1

Programmable Wiring Diagram & K1 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	NBT
Lenses Material	plexiglass 7N