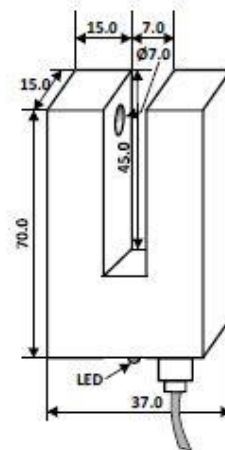


Datasheet

Photoelectric Proximity Sensors – Through Beam

RS Stock numbers 903-3942 – 903-3945



All dimensions are in mm.

General Specification

Sensing Range	07 mm
Installation	Through Beam
Standard Target Material	Opaque

Mechanical Specification

Housing Size	70 x 37 x 15 mm
Housing Material	Aluminium
Sensing Face Material	ABS
Termination	Through Cable
Temperature Range	0°C ... 60°C
Environmental Protection	IP67
Light Source	LED
Type of Light	Infrared
Wavelength	880 nm

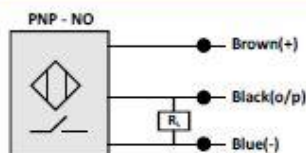
Electrical Specification

Operating Voltage	10 ... 30 V DC
Ripple	< 15%
Voltage Drop	< 2.5 V
No Load Current	< 50 mA
Max. Load Current	200 mA
Switching Output	PNP
Switching Function	NO / NC
Switching Frequency	100 Hz
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes

Cable Specification

Cable Length	2 m
Cable Type	PVC 3 Core Multi Strand
Sheath Colour	Grey
Cross Section of Wire	0.19 sq. mm
Core Dia	1.2 mm
Cable Dia	3.5 ± 0.1 mm
Termination	Partially Stripped

Wiring Diagram



Connection Detail

Detail	NO	NC
Brown	+ve	Gnd(0V)
Black	Output	Output
Blue	Gnd(0V)	+ve