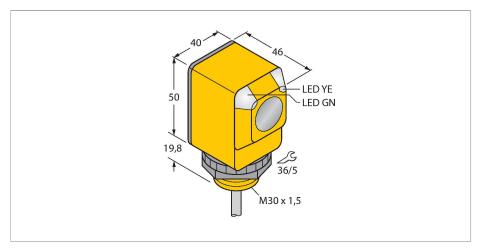
Q40AW3LP W/30' Photoelectric Sensor – Retroreflective Sensor with Polarizing Filter



Technical data

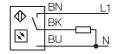
Туре	Q40AW3LP W/30'
ID	3033900
Optical data	
Function	Retroreflective Sensor
Operating mode	Polarized
Reflector included in delivery	no
Light type	Red polarized
Wavelength	680 nm
Range	506000 mm
Electrical data	
Operating voltage	20250 VAC
AC rated operational current	≤ 200 mA
Output function	Light operation, Relay output
Switching frequency	≤ 40 Hz
Readiness delay	≤ 100 ms
Response time typical	< 16 ms
Mechanical data	
Design	Rectangular, Q40
Dimensions	Ø 30 x 46 x 40.1 x 69.8 mm
Housing material	Plastic, Thermoplastic material
Lens	plastic, Polycarbonate
Electrical connection	Cable, 9 m, PVC
Number of cores	3
Core cross-section	0.5 mm ²
Ambient temperature	-40+70 °C
Protection class	IP67



Features

- Cable, 2 m
- ■Protection class IP67
- ■Ambient temperature: -40...+70 °C

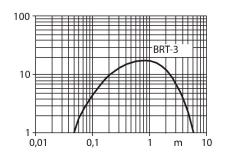
Wiring diagram



Functional principle

Retro-reflective sensors incorporate emitter and receiver in a single compact housing. The light beam of the emitter is directed towards a reflector which returns the light back to the receiver. An object is detected when it interrupts this beam. Retro-reflective sensors have a high function gain and good contrast performance. Further it is merely required to install and wire a single device. Excess gain curve

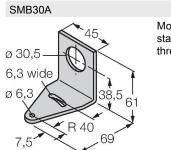
Excess gain curve
Excess gain in relation to the distance



Technical data

Special features	Encapsulated
Power-on indication	LED, Green
Switching state	LED, Yellow
Excess gain indication	LED
Tests/approvals	
Approvals	CE, UL, CSA

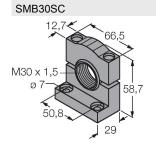
Accessories



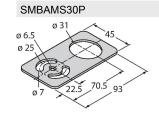
3032723 Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



3011185 Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30



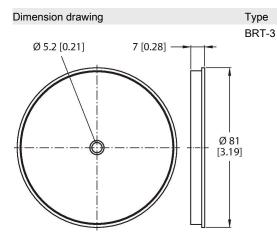
3052521 Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Mounting bracket, stainless steel, for sensors with 30 mm thread

3073135

Accessories



ID 3016164

Round reflector, reflection coefficient 1.0, material acrylic, ambient temperature -20...+60 °C