

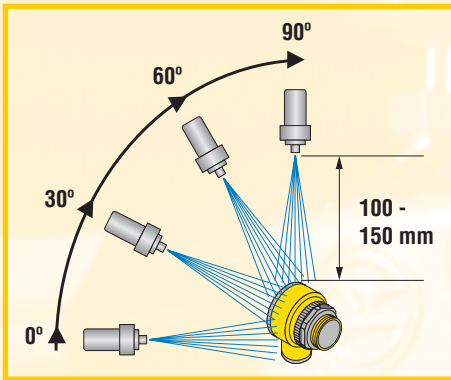


EZ-BEAM™ Sensors

- Low cost, high performance sensors
- No adjustment necessary on most models
- Three housing styles with two sensor sizes for each
- Encapsulated electronics allow advanced IP69K sealing
- Advanced self-diagnostics with separate marginal-gain indicator and alarm output
- Extended -40 to +70 °C temperature operating range
- Complementary PNP or NPN output
- Available in following sensing modes:
 - opposed mode,
 - retro-reflective mode with or without polarisation,
 - diffuse mode,
 - background suppression mode
- Apertures available for opposed mode sensors

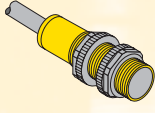
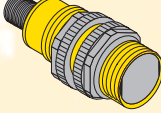
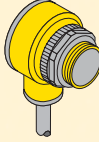
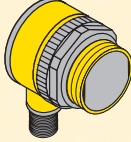
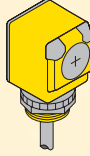
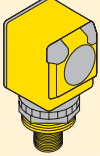






IP69K-design for harsh environments!



IP69K test as per DIN 40050 part 9

The EZ-BEAM sensors are tested in accordance with IP69K standard. The aim of this test is to simulate pressure cleaning conditions on a factory floor. The sensor is exposed to a spray of water (80 bar to 100 bar) at a temperature of 80 °C, for 30 seconds. The spray nozzles are located 100 mm to 150 mm from the sensor, at specified angles (0, 30, 60 or 90 degrees) and water is sprayed at 14 litres to 16 litres per minute.

						
	S18	S30	T18	T30	Q25	Q40
Opposed 	20 m	60 m	20 m	60 m	20 m	60 m
Retro-reflective 	2 m (polarised & non-polarised)	6 m (polarised)	2 m (polarised & non-polarised)	6 m (polarised)	2 m (polarised)	6 m (polarised)
Diffuse 	0,3 m (long range) 0,1 m (short range)		0,5 m			
Background Suppression 	25, 50 or 100 mm	200, 400 or 600 mm	25, 50 or 100 mm	200, 400 or 600 mm	25, 50 or 100 mm	200, 400 or 600 mm
Dimensions (h x w x d)	M18x1 – 59 mm	M30x1,5 – 69 mm	42 x 30 x 30 mm	52 x 40 x 45 mm	50 x 25 x 30 mm	70 x 40 x 46 mm

Integral cable or M12x1 quick-disconnect connector versions available.

TURCK BANNER Ltd.:

Sensors and equipment for industrial control and automation:

- Inductive, magnet-inductive, photoelectric, ultrasonic, capacitive, pressure and flow sensors
- Ex interfaces
- Bus systems
- Temperature controls
- Cables and cordsets
- Safety systems
- Laser measurement and inspection devices

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