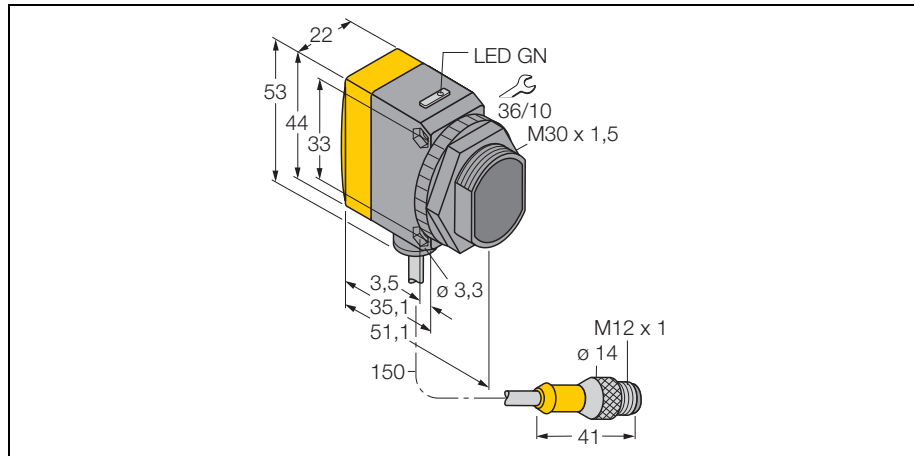


photoelectric sensor

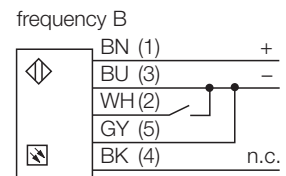
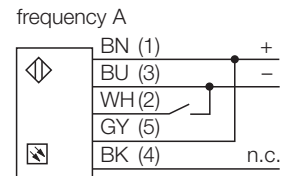
Emitter for water detection

QS30EXH2OQ5



- Selectable work frequency for cross-talk protection
- LED all-round visibility
- Pigtail: Cable connection, M12 x 1, 5-pole
- Operating voltage 10...30 VDC

Wiring diagram



Functional principle

The opposed mode sensor incorporates an emitter and a receiver. The emitter emits light in the near IR range with a wavelength of 1450 nm, which approximates one of the absorption edges of water. The resulting high contrast ratio leads to a particularly high sensitivity with water or media containing water as opposed to transparent media.

Type	QS30EXH2OQ5
Ident-No.	3079166
Operating mode	opposed mode sensor (receiver)
Light type	IR
Wavelength	1450 nm
Range	0... 4000 mm
Ambient temperature	-20...+ 60°C
Operating voltage	10... 30 VDC
DC rated operational current	≤ 80 mA
Output function	(emitter)
Response time	< 3ms
Housing	rectangular, QS30
Dimensions	54.3x 22x 57mm
Housing material	Plastic, ABS
Lens	plastic, acrylic
Electrical connection	cable with connector, M12 x 1
Cable length	0.15 m
Cable cross section:	4 x 0.5mm ²
Protection class	IP67
Operating voltage	LED green
Error indication	LED green