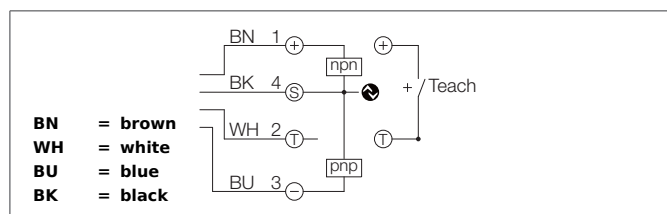


US Q12 M 200 G3-T4 Ultrasonic Sensor



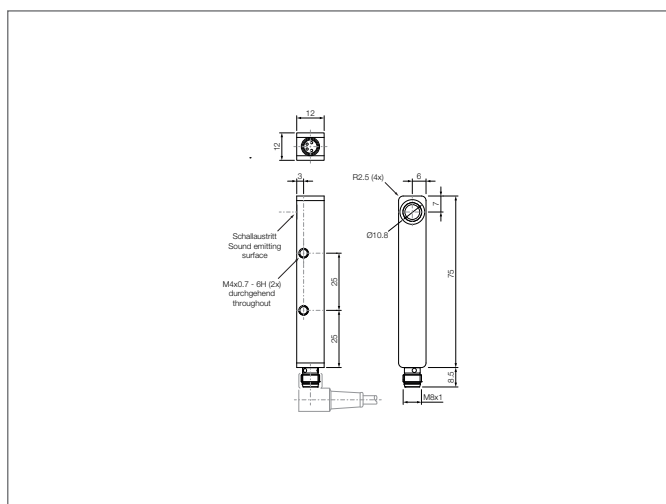
- IO-Link
- As a ultrasonic sensor or -barrier configurable
- 3 different teach modes
- Scanning range adjustable
- Narrow detection beam / small blind zone
- Switching functions: NO/NC, frame function teachable
- Insensitive to dirt
- Small design
- Robust metal casing
- Protection class IP 67



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.

These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Operating principle	Retroreflective sensor, Diffuser, Window mode, configurable via IO-Link
Evaluation	digital
Size	12 x 12 x 75 mm (Dimensions)
Design	cuboid design
Sending axis	radial
Nominal switching distance (Sn)	200 mm
Standardized measuring plate	10 x 10 mm
Service voltage	18 ... 30 V DC
No-load current	< 40 mA, (24 V DC)
Operating distance	20 ... 200 mm adjustable
Resolution	1 mm (IO-Link)
Sensitivity adjustment	Remote teach
Mounting distance	> 60 mm (Sensor to sensor)
Switching output	Push pull, 150 mA, NO/NC, switchable
Max. power operating	150 mA
Switching hysteresis	2 mm, via IO-Link adjustable up to 20 mm
Sound frequency	300 kHz
Interface	IO-Link, V1.1, COM2 (38,4kBd), Smart Sensor Profile
Inverse polarity protection	Yes
Display	LED yellow (Display output)
Voltage drop	< 2,0 V
Switching frequency	< 20 Hz

US Q12 M 200 G3-T4

Ultrasonic Sensor



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Short-circuit protection	yes
Reproducibility	< 0,5 mm
Linearity error	< 0,4 % / Sn max.
Readiness delay	< 300 ms
Ambient temperature, operation	-25 ... +70 °C
Temperature drift	0.2 %/K (uncompensated), < 1 %/Sn (compensated)
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	Aluminium black anodized
Material	epoxy resin, PUR (Transducer surface)
Connection	Connector, M8, 4-poled
Connecting cable	TK ... /4