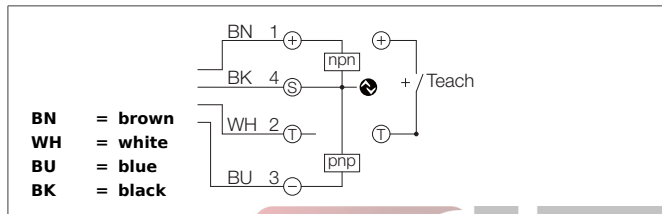


US Q12 M 400 G3-T4

Ultrasonic Sensor

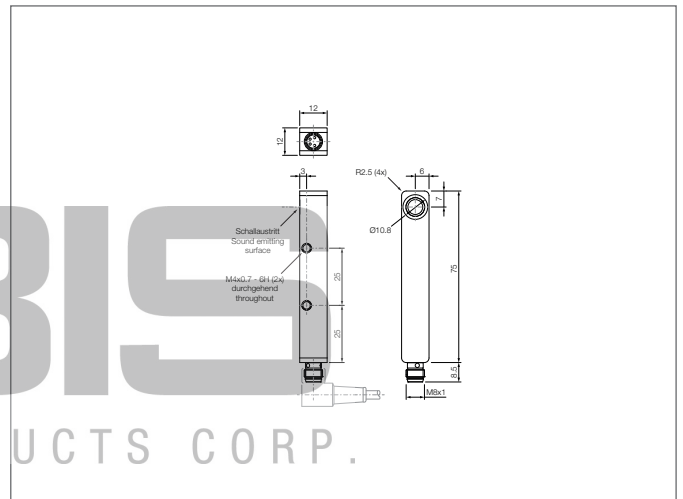


- IO-Link
- As a ultrasonic sensor or -barrier configurable
- 3 different teach modes
- Scanning range adjustable
- Narrow detection beam / small blind zone
- Switching functions: NO/NC, frame function teachable
- Insensitive to dirt
- Small design
- Robust metal casing
- Protection class IP 67



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)		400 mm
Standardized measuring plate		100 x 100 mm
Service voltage		18 ... 30 V DC
No-load current		< 40 mA, (24 V DC)
Operating distance		40 ... 400 mm adjustable
Resolution		1 mm (IO-Link)
Sensitivity adjustment		Remote teach
Mounting distance		> 250 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		< 10 Hz

US Q12 M 400 G3-T4 Ultrasonic Sensor



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Short-circuit protection	yes
Reproducibility	< 0,5 mm
Linearity error	< 0,8 % / Sn max.
Readiness delay	< 300 ms
Ambient temperature, operation	-10 ... +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

