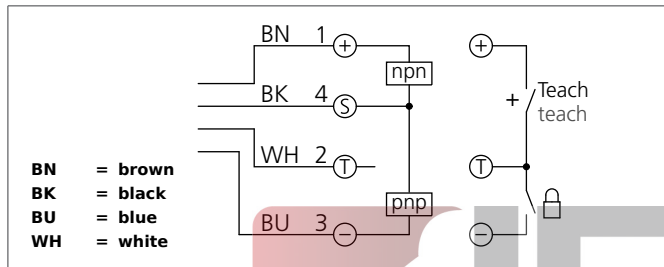


US 18 M 800 G3-B4

Ultrasonic Sensor

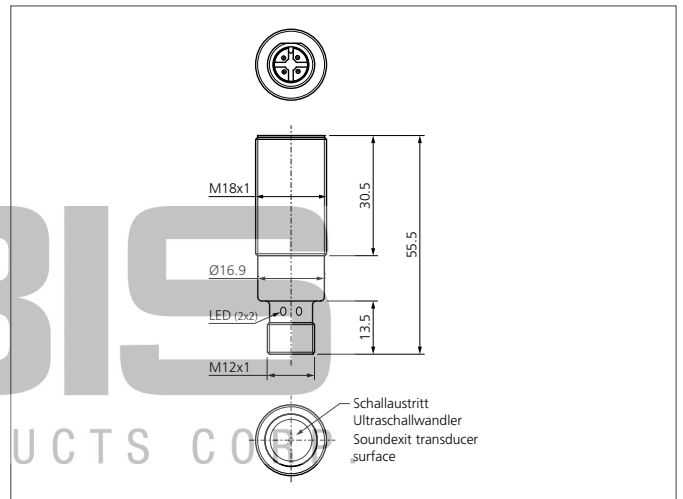


- IO-Link
- 3 different teach modes
- Insensitive to dirt
- Metal casing with connector M12
- Protection class IP 67



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		M18 x 1 (thread)
Design		screw
Sending axis		axial
Nominal switching distance (Sn)		800 mm
Standardized measuring plate		100 x 100 mm
Service voltage		18 ... 30 V DC
No-load current		< 30 mA, (24 V DC)
Operating distance		70 ... 800 mm
Adjustment range		80 ... 800 mm
Sensitivity adjustment		Remote teach
Mounting distance		> 300 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		200 kHz
Interface		IO-Link, V1.1, COM2 (38,4kBd), Smart Sensor Profile
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Display		2 x LED yellow (Display output), 2 x LED green (status)
Voltage drop		< 2,5 V
Switching frequency		> 5 Hz ... < 10 Hz

US 18 M 800 G3-B4 Ultrasonic Sensor



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Reproducibility	< 1 mm
Readiness delay	< 300 ms
Ambient temperature, operation	-25 ... +70 °C
Temperature drift	0.2 %/K (uncompensated)
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	brass nickel plated
Material	epoxy resin, PUR (Transducer surface)
Connection	Connector, M12 x 1, 4-poled

