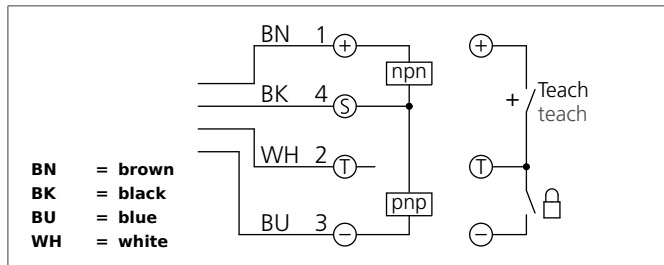


US 18 M 800 G3-B4

Ultrasonic Sensor

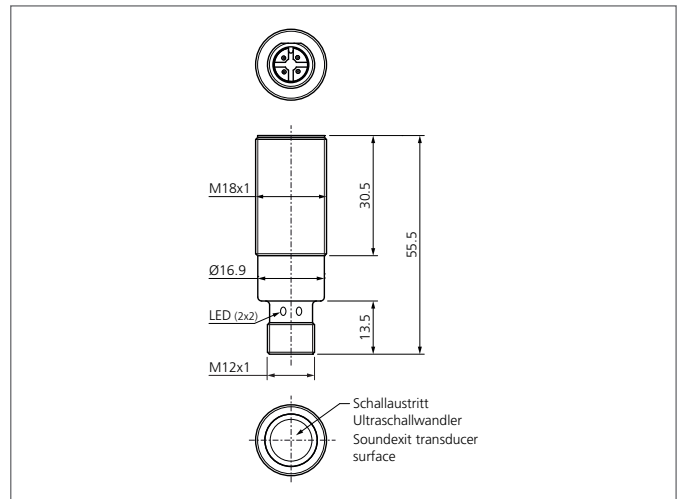


- IO-Link
- 3 different teach modes
- Insensitive to dirt
- Metal casing with connector M12
- Protection class IP 67



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	Ultrasonic sensor
Evaluation	digital
Size	M18 x 1 (thread)
Design	screw
Sound emitting surface	axial
Nominal switching distance (Sn)	800 mm
Standardized measuring plate	100 x 100 mm
Service voltage	18 ... 30 V DC
Internal power consumption	≤ 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
Operating frequency	200.000 Hz
Interface	IO-Link, V1.1, COM2 (38,4kBd), Smart Sensor Profile
Display	2 x LED green (status), 2 x LED yellow (Display output)
Voltage drop	≤ 2.5 V
Switching frequency	≥ 5 Hz ... ≤ 10 Hz
Repeatability	< 1 mm
Readiness delay	≤ 300 ms

US 18 M 800 G3-B4 Ultrasonic Sensor



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Ambient temperature	-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