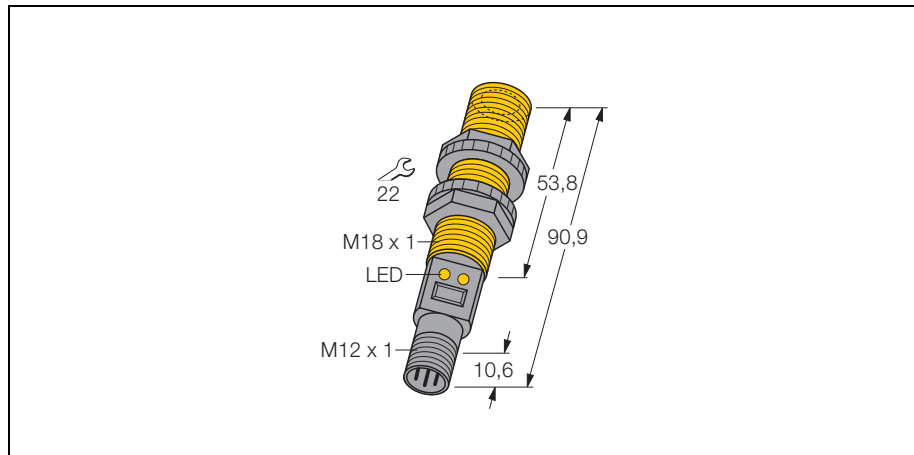
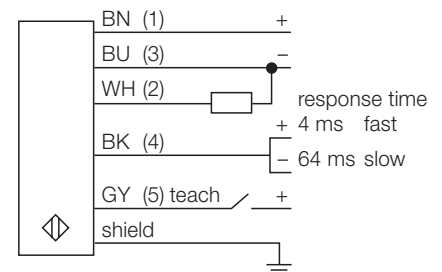


ultrasonic sensor diffuse mode sensor S18UIAQ



- compact housing style
- connection via M12 x 1 connector
- temperature compensation
- very small blind zone
- measuring range adjustable via teach-in

Wiring diagram



Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of a large variety of objects. It does not matter whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistence. Environmental conditions such as spray, dust or rain hardly affect their function.

Type	S18UIAQ
Ident-No.	3002703
Max. sensing range [cm]	3... 30 cm
Operating mode	Ultrasonic sensors with analogue output
Temperature drift	±0,3 % v.E.
Min. absolute repeat accuracy	≥ ± 0,5 mm
Length of nominal target	50 mm
Operating temperature	-20 ...+ 60 °C
Rated operational voltage (DC) U_B	10... 30 VDC
No-load current I ₀	≤ 100 mA
Current output	4... 20 mA
Max. load resistance	≤ 1000 Ω
Short-circuit protection	yes
Reverse polarity protection	complete
Wire breakage protection	yes
Housing style	cylindrical/thread; S18U
Dimensions	90,9 mm
Housing diameter	18 mm
Thread length	53,8 mm
Housing material	plastic, PBT
Wiring	connector, M12 x 1
Degree of protection	IP67
Indication 'object includes'	LED green