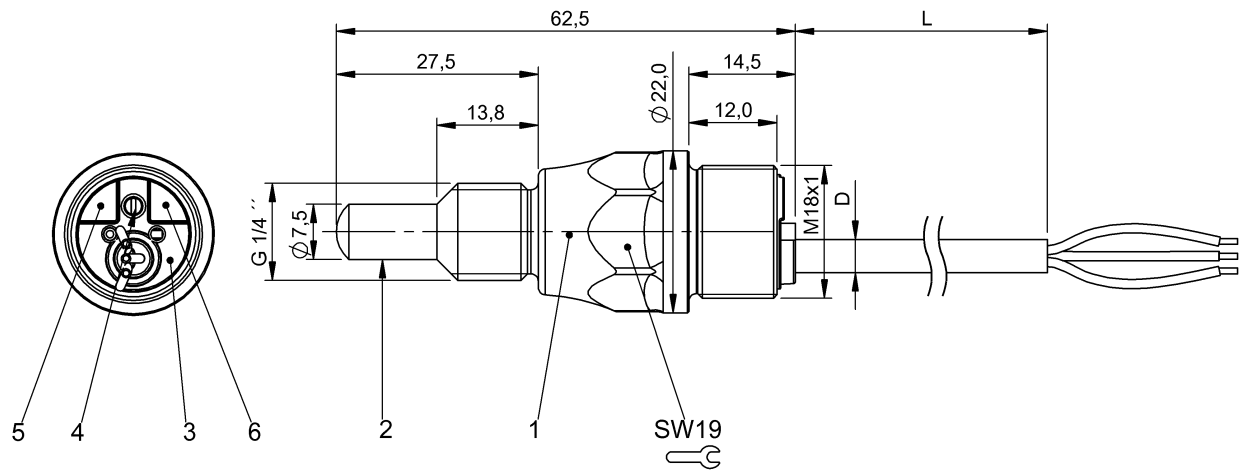




1) Housing, 2) Sensing surface, 3) Cover, 4) Potentiometer, 5) Function indicator yellow, 6) Power indicator green



Basic features

Approval/Conformity	CE UKCA WEEE cULus
Basic standard	IEC 60947-5-2
Sensitivity	media-dependent, adjustable
Series	S44

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Cable diameter D	4.60 mm
Cable length L	2 m
Conductor cross-section	0.34 mm ²
Number of conductors	3
Polarity reversal protected	no
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

Load capacitance max. at U _e	10 µF
Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	50 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	100 ms
Ripple max. (% of U _e)	10 %
Switching frequency	10 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-5...105 °C, UL approval valid up to 85 °C
Contamination scale	3
IP rating	IP67, sensing surface: IP68 10 bar

Functional safety

MTTF (40 °C)	250 a
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Interface

Switching output	PNP/NPN NO/NC codable
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Capacitive Sensors
BCS S44KK02-GPCFNG-EP02
Order Code: BCS0103



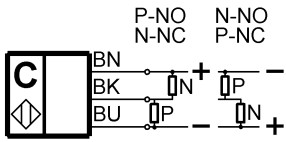
Material		Mechanical data	
Cover material	PA	Dimension	Ø 11.9 x 62.5 mm
Housing material	PEEK	Installation	non-flush
Material jacket	PUR	Size	G1/4"
Material sensing surface	PEEK	Thread (A)	G 1/4"
		Tightening torque	1.5 Nm

Remarks

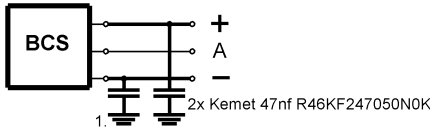
NO/NC function depends on the polarity.
The push-pull switching outputs must not be connected in parallel.
The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output.
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Wiring Diagrams (Schematic)



Installation remarks



1) Machine GND