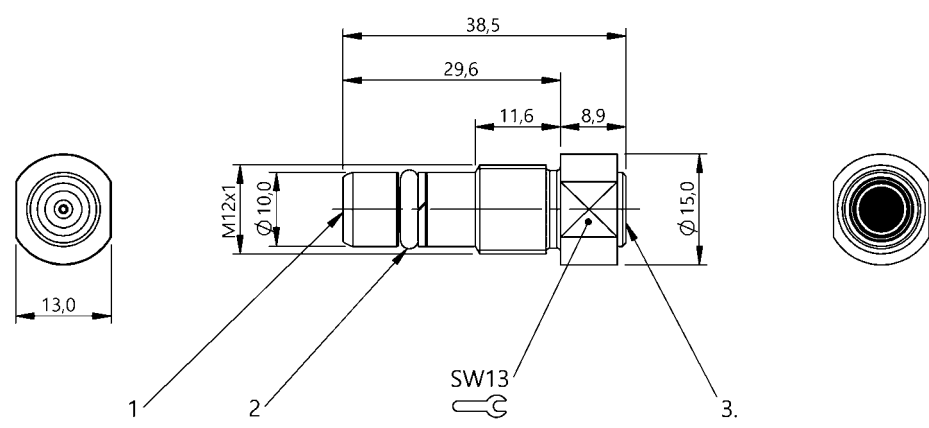


Capacitive Sensors
BCS Z094401-XXS20B-SZ02-T07
Order Code: BCS013E



1) Sensing surface, 2) O-Ring with thrust ring, 3) Triaxial connector



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Sensitivity	adjustable on base unit
Series	Z09

Electrical connection

Connection	Triaxial plug
Polarity reversal protected	not relevant
Protection against device mix-ups	yes
Short-circuit protection	not relevant

Electrical data

Switching frequency	5 Hz
Utilization category	DC -13

Environmental conditions

Ambient temperature	0...180 °C
Contamination scale	1
IP rating	IP68, IP50 at connector output

Material

Housing material	1.4104 stainless steel
Material sensing surface	1.4301 stainless steel/Epoxy
Support ring material	PTFE

Mechanical data

Dimension	Ø 15 x 38.5 mm
Installation	for flush mounting
Pressure rating max.	150 bar
Pressure rating, note	oil pressure rated
Sealing ring, size	5.85 x 2.4 mm
Size	D10.0
Thread (A)	M12x1
Tightening torque	15 Nm

Range/Distance

Hysteresis H max. (% of Sr)	10.0 %
Measuring range	0.1...2 mm
Rated operating distance Sn	2 mm

Remarks

Required accessories, sensor amplifier BAE SA-... and connection cable BCC Z003-020

