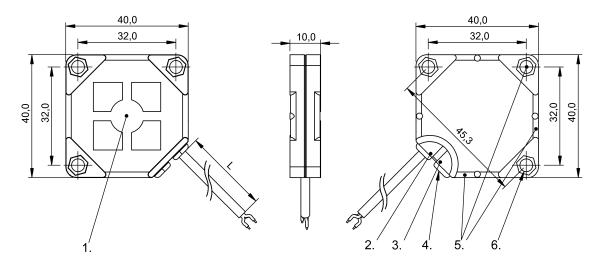
Capacitive Sensors BCS Q40BBAA-GPC20C-EP02 Order Code: BCS00TR





1) Sensing surface, 2) Power indicator green, 3) Function indicator yellow, 4) Potentiometer, 5) Fastening: Cable tie, 6) Fastening: screw 3xM3



Basic features

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2
Sensitivity	Switching distance adjustable
Series	Q40
Trademark	Global

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Cable diameter D	3.00 mm
Cable length L	2 m
Conductor cross-section	0.14 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	10 µF
No-load current lo max. at Ue	15 mA
Operating voltage Ub	1030 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	25 ms
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V
Environmental condition	IS
Ambient temperature	-5 85 °C

Ambient temperature	-585 °C
Contamination scale	1
IP rating	IP67
Functional safety	
MTTF (40 °C)	195 a
Interface	
Switching output	PNP/NPN NO/NC programmable

Capacitive Sensors BCS Q40BBAA-GPC20C-EP02 Order Code: BCS00TR



Material

Range/Distance

Cover material	PBT	Hysteresis H max. (% of Sr)	15.0 %	
Housing material	PBT	Measuring range	120 mm	
Material jacket	PUR	Rated operating distance Sn	20 mm	
Material sensing surface PBT	Repeat accuracy max. (% of Sr)	5.0 %		
	Temperature drift max. (% of Sr)	20 % [-555 °C]		
Mechanical data				
Dimension	40 x 40 x 10 mm			
Installation	for flush mounting			
Size	Block style			
Remarks				

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.

