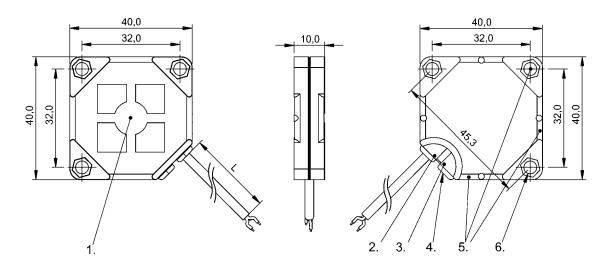
BCS Q40BBAA-GPC20C-EP02

Order Code: BCS00TR





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









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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 conditions

Ambient temperature Contamination scale IP rating	-585 °C 1 IP67
Functional safety	
MTTF (40 °C)	195 a

Switching output PNP/NPN NO/NC programmable

Interface

Capacitive Sensors

BCS Q40BBAA-GPC20C-EP02 Order Code: BCS00TR



Material

Cover materialPBTHousing materialPBTMaterial jacketPURMaterial sensing surfacePBT

Mechanical data

 $\begin{array}{lll} \textbf{Dimension} & 40 \times 40 \times 10 \text{ mm} \\ \textbf{Installation} & \text{for flush mounting} \\ \textbf{Size} & \text{Block style} \\ \end{array}$

Range/Distance

Remarks

The push-pull switching outputs must not be connected in parallel.

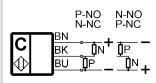
The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.

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.

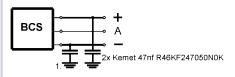
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

Wiring Diagrams



Installation remarks



1) Machine GND