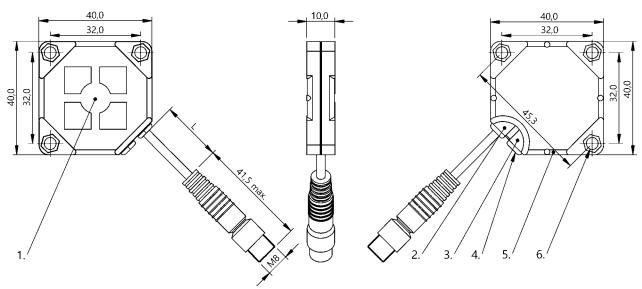
# BCS Q40BBAA-PSC20C-EP00,3-GS49 Order Code: BCS00U6

# BYLLUFF



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	0.3 m
Conductor cross-section	0.14 mm²
Connection	M8x1-Male, 3-pin
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	-585 °C
Contamination scale	1
IP rating	IP67
Functional safety	
MTTF (40 °C)	195 a

## Interface

Switching output PNP normally open (NO) **Capacitive Sensors** 

# BCS Q40BBAA-PSC20C-EP00,3-GS49 Order Code: BCS00U6



#### Material

Cover material PBT Housing material PBT PUR Material jacket Material sensing surface PBT

#### Mechanical data

Dimension 40 x 40 x 10 mm Installation for flush mounting Block style Size

## Range/Distance

Hysteresis H max. (% of Sr) 15.0 % Measuring range 1...20 mm Rated operating distance Sn 20 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr)

#### 20 % [-5...55 °C]

#### 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.

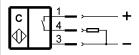
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

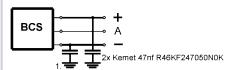
## **Connector Drawings**



# Wiring Diagrams



## Installation remarks



1) Machine GND