

# Capacitive Sensors for Object Detection

## Standard sensors, block designs, DC 3-wire, 40×40×10 mm, Uniflat



Global



Global

Size		40×40×10 mm Uniflat	40×40×10 mm Uniflat
Installation type		Flush	Flush
Rated switching distance $s_n$		1...20 mm	1...20 mm
PNP/NPN and NO/NC, wiring selected	<b>Ordering code</b>	<b>BCS00TR</b> <sup>①</sup>	
	Part number	BCS Q40BBAA-GPC20C-EP02	
PNP, NO	<b>Ordering code</b>		<b>BCS00U6</b> <sup>②</sup>
	Part number		BCS Q40BBAA-PSC20C-EP00,3-GS49
PNP, NC	<b>Ordering code</b>		<b>BCS00U5</b> <sup>③</sup>
	Part number		BCS Q40BBAA-POC20C-EP00,3-GS49
Supply voltage $U_B$		10... 30 V DC	10... 30 V DC
Voltage drop $U_d$ at $I_o$		≤ 2.5 V	≤ 2.5 V
Rated insulation voltage $U_i$		75 V DC	75 V DC
Output current max.		100 mA	100 mA
No-load supply current $I_o$ max.		≤ 15 mA	≤ 15 mA
Polarity reversal protected/output miswiring protected/short-circuit protected		No/No/Yes	Yes/Yes/Yes
Ambient temperature $T_a$		-5...+85 °C	-5...+85 °C
Switching frequency $f$		100 Hz	100 Hz
Supply voltage/Output function indicator		Green LED/Yellow LED	Green LED/Yellow LED
Degree of protection as per IEC 60529		IP 67	IP 67
Material	Housing	PBT	PBT
	Sensing surface	PBT	PBT
	Cover	PBT	PBT
Connection		2 m PUR cable, 3×26 AWG	0.3 m PUR cable with M8, 3-pin connector
Suggested mating cable			BCC M313-0000-10-001-PX43T2-050



Capacitive sensors

Capacitive sensors for object detection  
Mini-sensors

**Standard sensors**

Capacitive sensors for level detection

Capacitive sensors with special properties

Capacitive sensors for analog distance measurement

Accessories for capacitive sensors

① = Connection-Switching diagram, see page 849.

**Additional cable lengths on request.**

