Capacitive Sensors for Object Detection

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





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	**Ordering code**	**BCS00TR** ⑪	
	Part number	BCS Q40BBAA-GPC20C-EP02	
PNP, NO	**Ordering code**		**BCS00U6** ②
	Part number		BCS Q40BBAA-PSC20C-EP00,3-GS49
PNP, NC	**Ordering code**		**BCS00U5** ⑥
	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_e		≤ 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_0 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

① = Connection-Switching diagram, see page 849.

Additional cable lengths on request.

