

DC 3-/4-wire Inductive Tubular Sensors

Tubular housing, M8x1



Housing size	M8 x 1	M8 x 1	M8 x 1
Installation type (observe instructions in the Basic Information chapter)	Quasi-flush	Quasi-flush	Quasi-flush
Rated switching distance s_n	3 mm	4 mm	4 mm
Assured switching distance s_a	0...2.2 mm	0...2.9 mm	0...2.9 mm
Sensing distance	3X	4X	4X
PNP, NO	Ordering code Part number	BES02PW BES M08MH1-PSC30B-S04G-101	BES01ZW BES M08MI-PSC40B-S49G
PNP, NC	Ordering code Part number		BES003R BES M08MI-PSC40B-BP00,3-GS49
NPN, NO	Ordering code Part number	BES01ZT BES M08MI-NSC40B-S49G	
Supply voltage U_B	10...30 V DC	10...30 V DC	10...30 V DC
Voltage drop U_d at I_o max.	2 V	2.8 V	2.8 V
Rated insulation voltage U_i (protection class)	75 V DC	75 V DC	75 V DC
Rated operating current I_o	200 mA	200 mA	200 mA
Polarity reversal protected/transposition protected/short-circuit protected	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Ambient temperature T_a	-25...+70°C	0...+60 °C	0...+60 °C
Switching frequency f max.	1 kHz	800 Hz	800 Hz
Output function indicator	Yellow LED	Yellow LED	Yellow LED
Degree of protection as per IEC 60529	IP 67	IP 67	IP 67
Approvals	CE	CE, cULus	CE, cULus
Special properties	Large switching distance	Large switching distance	Large switching distance
Material	Housing Sensing surface	Brass-coated with ceramic coating	Brass-coated PBT
Connection	M12 connector, 4-pin	M8 connector, 3-pin	0.3 m PUR cable with M8 connector, 3-pin
Suggested mating cable	BCC M415-0000-1A-003-EX44T2-020	BCC M313-0000-10-001-EX43T2-020	BCC M313-0000-10-001-EX43T2-020

See technical section (page 963-966) for installation instructions.

For wiring diagram see page 958.

Additional cable lengths and PUR cable jacket material available on request.

