DC 3-/4-wire Inductive Tubular Sensors
Tubular housing, M8×1





Housing size		**M8 × 1**	**M8 × 1**	**M8 × 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**	**BES02PW**	**BES01ZW**	**BES003R**	
	Part number	BES M08MH1-PSC30B-S04G-101	BES M08MI-PSC40B-S49G	BES M08MI-PSC40B-BP00,3-GS49	
PNP, NC	**Ordering code**				
	Part number				
NPN, NO	**Ordering code**		**BES01ZT**		
	Part number		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_e 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_e		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	Brass-coated	Brass-coated	Brass-coated	
	Sensing surface	with ceramic coating	PBT	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.





