DC 3-/4-wire Inductive Block Sensors
Block housings, 20×32×8 mm R01



Housing size		**20×32×8 mm** R01	**20×32×8 mm** R01	**20×32×8 mm** R01	
Installation type (observe instructions in the Basic Information chapter)		Flush	Flush	Flush	
Rated switching distance s_n		**7 mm**	**7 mm**	**7 mm**	
Assured switching distance s_a		0...5.6 mm	0...5.6 mm	0...5.6 mm	
Sensing distance		1X	1X	1X	
PNP, NO	**Ordering code**	**BES02PT**			
	Part number	BES R01ZC-PSC70B-BP00.2-GS04-101			
PNP, complementary	**Ordering code**		**BES01W2**	**BES0314**	
	Part number		BES R01ZC-PAC70B-BP00.2-GS04	BES R01ZC-PAC70B-BP00.2-GS04-107	
NPN, complementary	**Ordering code**		**BES01UZ**		
	Part number		BES R01ZC-NAC70B-BP00.2-GS04		
Supply voltage U_B		10...30 V DC	10...30 V DC	10...30 V DC	
Voltage drop U_d at I_e max.		2.5 V	2.5 V	2.5 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	–25...+70°C	–25...+70°C	
Switching frequency f max.		150 Hz	150 Hz	150 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, cULus	CE, cULus	CE, cULus	
Material	Housing	Cast zinc	Cast zinc	Cast zinc	
	Sensing surface	**With ceramic coating**	PA 12	**With ceramic coating**	
Connection		0.2 m PUR cable with M12 connector, 4-pin	0.2 m PVC cable with M12 connector, 4-pin	0.2 m PUR cable with M12 connector, 4-pin	
Suggested mating cable		BCC M415-0000-1A-003-EX44T2-020	BCC M415-0000-1A-003-EX44T2-020	BCC M415-0000-1A-003-EX44T2-020	

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.

Note: R01 Steelface sensors are located on page 669.

