DC 3-/4-wire Inductive Block Sensors

Block housings, 10×30×6 mm R03





Housing size		**10×30×6 mm** R03	**10×30×6 mm** R03	
Installation type (observe instructions in the Basic Information chapter)		Flush	Flush	
Rated switching distance s_n		**3 mm**	**3 mm**	
Assured switching distance s_a		0...2.4 mm	0...2.4 mm	
Sensing distance		1X	1X	
PNP, NO	**Ordering code**	**BES01WP**	**BES01WR**	
	Part number	BES R03KC-PSC30B-BP00,3-GS49	BES R03KC-PSC30B-EP02	
NPN, normally open	**Ordering code**	**BES045C**		
	Part number	BES R03KC-NSC30B-BP00,3-GS49		
Supply voltage U_B		10...30 V DC	10...30 V DC	
Voltage drop U_d at I_e max.		1.8 V	2.5 V	
Rated insulation voltage U_i		75 V DC	75 V DC	
Rated operating current I_e		100 mA	100 mA	
Polarity reversal protected/transposition protected/short-circuit protected		Yes/Yes/Yes	Yes/Yes/Yes	
Ambient temperature T_a		–25...+70°C	–25...+70°C	
Switching frequency f max.		3 kHz	3 kHz	
Output function indicator		Yellow LED	Yellow LED	
Degree of protection as per IEC 60529		IP 67	IP 67	
Approvals		CE, cULus	CE, cULus	
Material	Housing	PA 6	PA 6	
	Sensing surface	PA 6	PA 6	
Connection		0.3 m PUR cable with M8 connector, 3-pin	2 m cable TPU, 26 AWG	
Suggested mating cable		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.

