

DC 3-/4-wire Inductive Block Sensors

Block housings, 10×30×6 mm R03



	10×30×6 mm R03	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 Part number	BES01WP BES R03KC-PSC30B-BP00,3-GS49	BES01WR BES R03KC-PSC30B-EP02
NPN, normally open	Ordering code Part number	BES045C 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 Sensing surface	PA 6 PA 6	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.

