DC 3-/4-wire Inductive Block Sensors

Block housing, 40×40 mm Unicompact

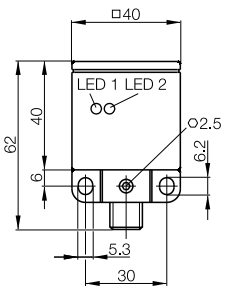


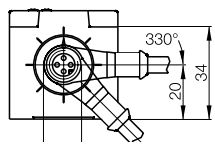
Housing size		**40×40 mm** Unicompact	
Installation type (observe instructions in the Basic Information chapter)		Flush	
Rated switching distance s_n		**20 mm**	
Assured switching distance s_a		0...16 mm	
Sensing distance		1X	
PNP, NO	**Ordering code**	**BES021W**	
	Part number	BES Q40KFU-PSC20B-S04G	
PNP, complementary	**Ordering code**	**BES0217**	
	Part number	BES Q40KFU-PAC20B-S04G	
Supply voltage U_B		10...30 V DC	
Voltage drop U_d at I_e max.		2.5 V	
Rated insulation voltage U_i (protection class)		250 V AC (⧈)	
Rated operating current I_e		200 mA	
Polarity reversal protected/transposition protected/short-circuit protected		Yes/Yes/Yes	
Ambient temperature T_a		–25...+70°C	
Switching frequency f max.		50 Hz	
Output function indicator		Yellow LED	
Degree of protection as per IEC 60529		IP 67	
Approvals		CE, cULus	
Material	Housing	PBT	
	Sensing surface	PBT	
Possible installation variations		Fig. 1...8	
Connection		M12 connector, 4-pin	
Suggested mating cable		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.

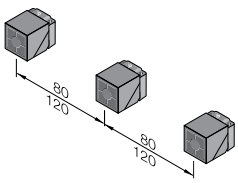




Row mounting

Flush 80 mm

Ø 120 mm non-flush



Permissible installation options

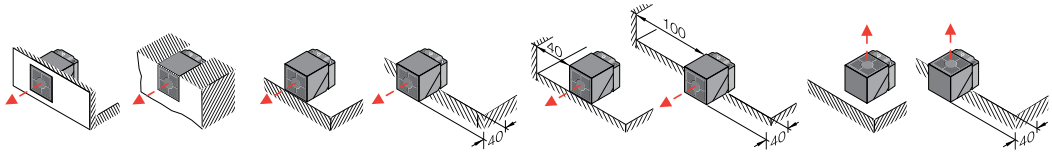


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8