DC 3-/4-wire Inductive Block Sensors
Block housing, 8×8 mm



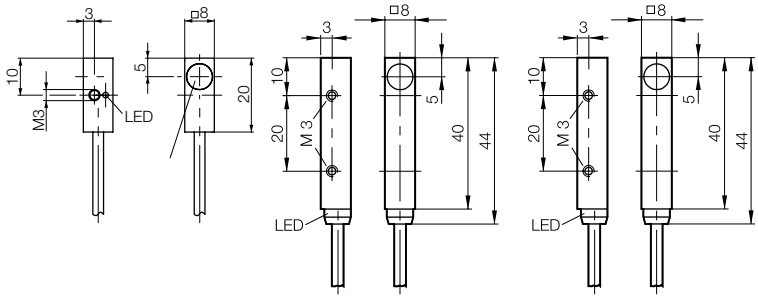
SUPERSHORTY™

Housing size		**8×8 mm**	**8×8 mm**	**8×8 mm**	
Installation type (observe instructions in the Basic Information chapter)		Flush	Flush	Flush	
Rated switching distance s_n		**2 mm**	**2 mm**	**2 mm**	
Assured switching distance s_a		0...1.6 mm	0...1.6 mm	0...1.6 mm	
Sensing distance		2X	2X	2X	
PNP, NO	**Ordering code**	**BES03U2**	**BES01TZ**	**BES01TN**	
	Part number	BES Q08MEC-PSC20B-EP02	BES Q08ZC-PSC20B-BV02	BES Q08ZC-PSC20B-BP02	
PNP, NC	**Ordering code**	**BES03YK**	**BES01TA**	**BES01T7**	
	Part number	BES Q08MEC-POC20B-EP02	BES Q08ZC-POC20B-BV02	BES Q08ZC-POC20B-BP02	
NPN, NO	**Ordering code**		**BES01T2**	**BES01RZ**	
	Part number		BES Q08ZC-NSC20B-BV02	BES Q08ZC-NSC20B-BP02	
NPN, NC	**Ordering code**	**BES03UA**	**BES01RU**	**BES01TL**	
	Part number	BES Q08MEC-NOC20B-EP02	BES Q08ZC-NOC20B-BV02	BES Q08ZC-NOC20B-BP02	
Supply voltage U_B		10...30 V DC	10...30 V DC	10...30 V DC	
Voltage drop U_d at I_e max.		2.8 V	2.5 V	2.5 V	
Rated insulation voltage U_i		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.		3 kHz	3 kHz	3 kHz	
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	
Special properties					
Material	Housing	Brass-coated	Cast zinc	Cast zinc	
	Sensing surface	PBT	PBT	PBT	
Connection		2 m PUR cable, 26 AWG	2 m PVC cable, 26 AWG	2 m PUR cable, 26 AWG	
Suggested mating cable					

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.



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