

# 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	<b>Ordering code</b>	<b>BES03U2</b>	<b>BES01TZ</b>	<b>BES01TZ</b>	<b>BES01TN</b>	<b>BES01TN</b>
	Part number	BES Q08MEC-PSC20B-EP02	BES Q08ZC-PSC20B-BV02	BES Q08ZC-PSC20B-BV02	BES Q08ZC-PSC20B-BP02	BES Q08ZC-PSC20B-BP02
PNP, NC	<b>Ordering code</b>	<b>BES03YK</b>	<b>BES01TA</b>	<b>BES01TA</b>	<b>BES01T7</b>	<b>BES01T7</b>
	Part number	BES Q08MEC-POC20B-EP02	BES Q08ZC-POC20B-BV02	BES Q08ZC-POC20B-BV02	BES Q08ZC-POC20B-BP02	BES Q08ZC-POC20B-BP02
NPN, NO	<b>Ordering code</b>		<b>BES01T2</b>	<b>BES01T2</b>	<b>BES01RZ</b>	<b>BES01RZ</b>
	Part number		BES Q08ZC-NSC20B-BV02	BES Q08ZC-NSC20B-BV02	BES Q08ZC-NSC20B-BP02	BES Q08ZC-NSC20B-BP02
NPN, NC	<b>Ordering code</b>	<b>BES03UA</b>	<b>BES01RU</b>	<b>BES01RU</b>	<b>BES01TL</b>	<b>BES01TL</b>
	Part number	BES Q08MEC-NOC20B-EP02	BES Q08ZC-NOC20B-BV02	BES Q08ZC-NOC20B-BV02	BES Q08ZC-NOC20B-BP02	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 $I_o$ 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 $I_o$	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	Cast zinc	Cast zinc
	Sensing surface	PBT	PBT	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.**

