

DC 3-/4-wire Inductive Tubular Sensors

Tubular housing, M12x1



Housing size		M12x1	M12x1	M12x1
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		1X	1X	1X
PNP, NO	Ordering code	BES00PK	BES02EL	BES01C8
	Part number	BES 516-325-E5-C-S4	BES 515-325-S4-C	BES 516-325-S4-C
PNP, NC	Ordering code	BES00YT	BES01K6	
	Part number	BES 516-370-E5-C-S4	BES 516-370-S4-C	
PNP, complementary	Ordering code			BES0161
	Part number			BES 516-113-S4-C
NPN, NO	Ordering code	BES00T5	BES01EN	
	Part number	BES 516-329-E5-C-S4	BES 516-329-S4-C	
NPN, NC	Ordering code	BES010A	BES01LA	
	Part number	BES 516-375-E5-C-S4	BES 516-375-S4-C	
NPN, complementary	Ordering code			BES016E
	Part number			BES 516-118-S4-C
Supply voltage U_B		10...30 V DC	10...30 V DC	10...30 V DC
Voltage drop U_a at I_e max.		2 V	1.5 V	1.5 V
Rated insulation voltage U_i (protection class)		250 V AC (□)	250 V AC (□)	250 V AC (□)
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	-40...+85 °C
Switching frequency f max.		5 kHz	3 kHz	2.5 kHz
Output function indicator		Yellow LED	Yellow LED	Yellow LED
Degree of protection as per IEC 60529		IP 68 per BWN Pr. 20	IP 68 per BWN Pr. 20	IP 68 per BWN Pr. 20
Approvals		CE, cULus	CE, cULus	CE, cULus
Material	Housing	Brass-coated	Stainless steel	Stainless steel
	Sensing surface	PBT	PA 12	PA 12
Connection		M12 connector, 4-pin	M12 connector, 4-pin	M12 connector, 4-pin
Suggested mating cable		BCC M415-0000-1A-003-EX44T2-020	BCC M415-0000-1A-003-EX44T2-020	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.

