

DC 3-/4-wire Inductive Sensors

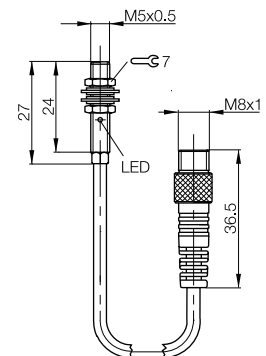
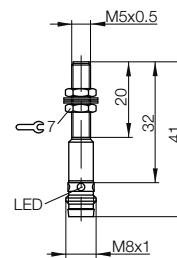
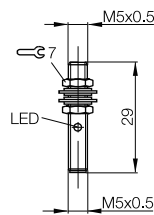
Cylinder design, M5x0.5



Model	M5x0.5	M5x0.5	M5x0.5
Installation type (observe instructions in the Basic Information chapter)	Flush	Flush	Flush
Rated switching distance s_n	0.8 mm	0.8 mm	0.8 mm
Assured switching distance s_a	0...0.65 mm	0...0.65 mm	0...0.65 mm
Switching distance marking	■	■	■
PNP, NO	Ordering code	BES012Z	BES00H2
	Part number	BES M05EC-PSC08B-S26G	BES 516-3005-E5-C-S49
PNP, NC	Ordering code	BES012Y	BES00L1
	Part number	BES M05EC-POC08B-S26G	BES 516-3022-E5-C-S49
NPN, NO	Ordering code	BES012W	BES00HL
	Part number	BES M05EC-NSC08B-S26G	BES 516-3006-E5-C-S49
NPN, NC	Ordering code	BES012U	BES00L8
	Part number	BES M05EC-NOC08B-S26G	BES 516-3023-E5-C-S49
Supply voltage U_s	10...30 V DC	10...30 V DC	10...30 V DC
Voltage drop U_d at I_e max.	3 V	3 V	3 V
Rated insulation voltage U_i	75 V DC	75 V DC	75 V DC
Rated operating current I_e	100 mA	100 mA	100 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	Narrow design	Narrow design	Narrow design
Material	Housing	Stainless steel	Stainless steel
	Sensing surface	PBT	PBT
Connection	M5 connector, 4-pin	M8 connector, 3-pin	0.3 m PUR cable with M8 connector, 3-pin

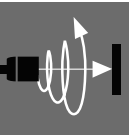
Wiring diagrams, see page 958.
The meaning of switching distance markings can be found on page 962.

Additional cable lengths and PUR cable jacket material available on request



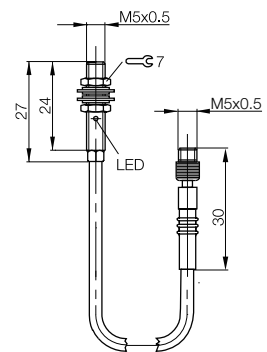
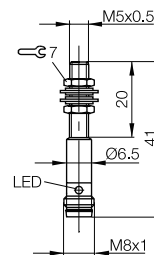
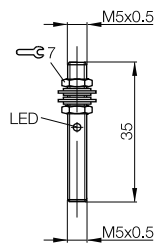
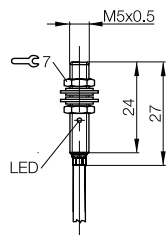
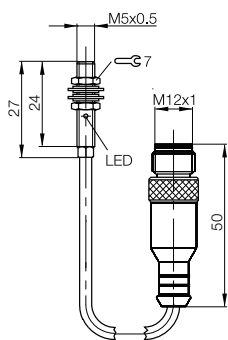
DC 3-/4-wire Inductive Sensors

Cylinder design, M5x0.5



Inductive Sensors
Global DC 3-wire
DC 3-/4-wire
Cylinder Designs
Block Designs
DC 2-wire
AC/DC 2-wire
AC 2-wire
Special Properties
Analog Distance measurement
Accessories

M5x0.5	M5x0.5	M5x0.5	M5x0.5	M5x0.5
Flush	Flush	Flush	Flush	Flush
0.8 mm	0.8 mm	1.5 mm	1.5 mm	1.5 mm
0...0.65 mm	0...0.65 mm	0...1.2 mm	0...1.2 mm	0...1.2 mm
■	■	■ ■	■ ■	■ ■
BES00FW	BES00FT	BES013A	BES00HF	BES00H5
BES 516-3005-E4-C-S4-00,3	BES 516-3005-E4-C-PU-02	BES M05ED-PSC15B-S26G	BES 516-3005-G-E5-C-S49	BES 516-3005-G-E4-C-S26-00,3
	BES00KZ	BES0137		
	BES 516-3022-E4-C-PU-02	BES M05ED-POC15B-S26G		
	BES00HJ	BES0133		
	BES 516-3006-E4-C-PU-02	BES M05ED-NSC15B-S26G		
	BES00L6	BES0130		
	BES 516-3023-E4-C-PU-02	BES M05ED-NOC15B-S26G		
10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
3 V	3 V	3 V	3 V	3 V
75 V DC	75 V DC	75 V DC	75 V DC	75 V DC
100 mA	100 mA	100 mA	100 mA	100 mA
Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C
3 kHz	3 kHz	3 kHz	3 kHz	3 kHz
Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
IP 67	IP 67	IP 67	IP 67	IP 67
CE, cULus	CE, cULus	CE, cULus	CE, cULus	CE, cULus
Narrow design	Narrow design	Narrow design	Narrow design	Narrow design
Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
PBT	PBT	PBT	PBT	PBT
0.3 m PUR cable with M12 connector, 4-pin	2 m PUR cable, 3x0.14 mm ²	M5 connector, 4-pin	M8 connector, 3-pin	0.3 m PUR cable with M5 connector, 4-pin



DC 3-/4-wire Inductive Sensors

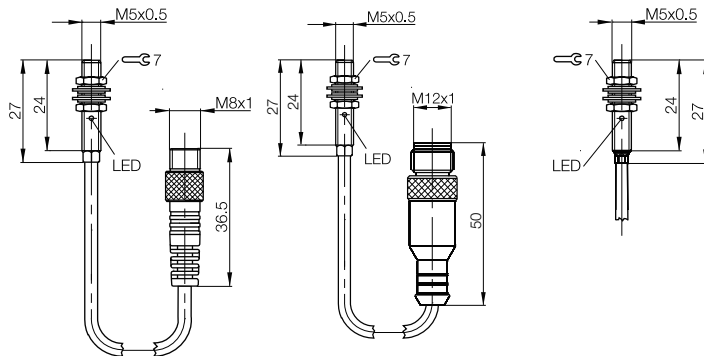
Cylinder design, M5x0.5



		M5x0.5	M5x0.5	M5x0.5
Model		M5x0.5	M5x0.5	M5x0.5
Installation type (observe instructions in the Basic Information chapter)		Flush	Flush	Flush
Rated switching distance s_n		1.5 mm	1.5 mm	1.5 mm
Assured switching distance s_a		0...1.2 mm	0...1.2 mm	0...1.2 mm
Switching distance marking		■ ■	■ ■	■ ■
PNP, NO	Ordering code	BES00HC	BES00H7	BES00H3
	Part number	BES 516-3005-G-E4-C-S49-00,3	BES 516-3005-G-E4-C-S4-00,3	BES 516-3005-G-E4-C-PU-02
PNP, NC	Ordering code	BES00L4		BES00L2
	Part number	BES 516-3022-G-E4-C-S49-00,3		BES 516-3022-G-E4-C-PU-02
NPN, NO	Ordering code			BES00HM
	Part number			BES 516-3006-G-E4-C-PU-02
NPN, NC	Ordering code			
	Part number			
Supply voltage U_s		10...30 V DC	10...30 V DC	10...30 V DC
Voltage drop U_d at I_e max.		3 V	3 V	3 V
Rated insulation voltage U_i		75 V DC	75 V DC	75 V DC
Rated operating current I_e		100 mA	100 mA	100 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		Narrow design	Narrow design	Narrow design
Material	Housing	Stainless steel	Stainless steel	Stainless steel
	Sensing surface	PBT	PBT	PBT
Connection		0.3 m PUR cable with M8 connector, 3-pin	0.3 m PUR cable with M12 connector, 4-pin	2 m PUR cable, 3x0.14 mm ²

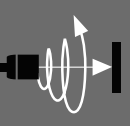
Wiring diagrams, see page 958.
The meaning of switching distance markings can be found on page 962.

Additional cable lengths and PUR cable jacket material available on request





	TRIPLEPROX	TRIPLEPROX	TRIPLEPROX	
	M5x0.5	M5x0.5	M5x0.5	
	Not flush	Not flush	Not flush	
	5 mm	5 mm	5 mm	
	0...4 mm	0...4 mm	0...4 mm	
	■■■	■■■	■■■	
	BES013H	BES013C	BES013E	
	BES M05ED-PSC50F-S26G	BES M05ED-PSC50F-EP00,3-GS04	BES M05ED-PSC50F-EP02	
	BES0139			
	BES M05ED-POC50F-S26G			
	BES0136		BES0134	
	BES M05ED-NSC50F-S26G		BES M05ED-NSC50F-EP02	
	BES0132			
	BES M05ED-NOC50F-S26G			
	10...30 V DC	10...30 V DC	10...30 V DC	
	2.5 V	2.5 V	2.5 V	
	75 V DC	75 V DC	75 V DC	
	100 mA	100 mA	100 mA	
	Yes/Yes/Yes	No/Yes/Yes	Yes/Yes/Yes	
	-25...+70 °C	-25...+70 °C	-25...+70 °C	
	3 kHz	3 kHz	3 kHz	
	Yellow LED	Yellow LED	Yellow LED	
	IP 67	IP 67	IP 67	
	CE, cULus	CE, cULus	CE, cULus	
	Narrow design, large switching distance	Narrow design, large switching distance	Narrow design, large switching distance	
	Stainless steel	Stainless steel	Stainless steel	
	PET-C	PET-C	PET-C	
	M5 connector, 4-pin	0.3 m PUR cable with M12 connector, 4-pin	2 m PUR cable, 3x0.14 mm ²	



Inductive Sensors

Global DC 3-wire

DC 3-/4-wire

Cylinder Designs

Block Designs

DC 2-wire

AC/DC 2-wire

AC 2-wire

Special Properties

Analog Distance measurement

Accessories

