DC 3-wire Inductive Global Sensors
Tubular housing, M8×1

Global: Performance and value in inductive proximity sensors
Balluff Global sensors are proven performers that are globally standarized with an optimum price point ratio.
- Short and mid-size designs M8 to M30×1.5
- Shielded and unshielded designs
- Cable and connector versions
- Standard and extended switching distance



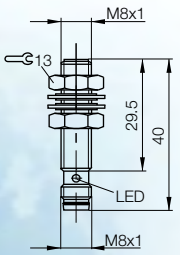


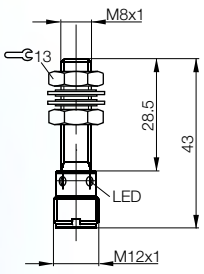
Housing size		**M8 × 1**	**M8 × 1**	**M8 × 1**
Installation type (observe instructions in Basic Information chapter)		Flush	Flush	Flush
Rated switching distance s_n		**1.5 mm**	**1.5 mm**	**1.5 mm**
Assured switching distance s_a		0...1.2 mm	0...1.2 mm	0...1.2 mm
Sensing distance		1X	1X	1X
PNP, NO	**Ordering code**	**BES00CJ**	**BES00CH**	**BES003C**
	Part number	BES M08EE-PSC15B-S49G-003	BES M08EE-PSC15B-S04G-003	BES M08MI-PSC15B-S49G
PNP, NC	**Ordering code**	**BES00CC**	**BES00CA**	**BES03P6**
	Part number	BES M08EE-POC15B-S49G-003	BES M08EE-POC15B-S04G-003	BES M08MI-POC15B-S49G
NPN, NO	**Ordering code**	**BES00C7**	**BES00C6**	**BES002K**
	Part number	BES M08EE-NSC15B-S49G-003	BES M08EE-NSC15B-S04G-003	BES M08MI-NSC15B-S49G
NPN, NC	**Ordering code**	**BES00C3**	**BES00C2**	**BES03PK**
	Part number	BES M08EE-NOC15B-S49G-003	BES M08EE-NOC15B-S04G-003	BES M08MI-NOC15B-S49G
Supply voltage U_B		10...30 V DC	10...30 V DC	12...30 V DC
Voltage drop U_d at I_e max.		2.5 V	2.5 V	2 V
Rated insulation voltage U_i (protection class)		250 V AC (⧈)	250 V AC (⧈)	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.		1 kHz	1 kHz	1 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
Material	Housing	Stainless steel	Stainless steel	Brass-coated
	Sensing surface	PBT	PBT	PA 12
Connection		M8 connector, 3-pin	M12 connector, 4-pin	M8 connector, 3-pin
Suggested mating cable		BCC M313-0000-10-001-VX43T2-020-C013	BCC M415-0000-1A-003-VX44T2-020-C013	BCC M313-0000-10-001-VX43T2-020-C013

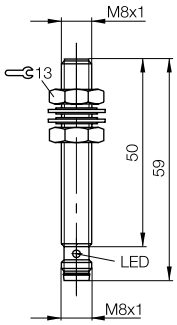
See technical section (page 963-966) for installation instructions.

For wiring diagram see page 958.

Additional cable lengths and PUR cable jacket material available on request.







Global