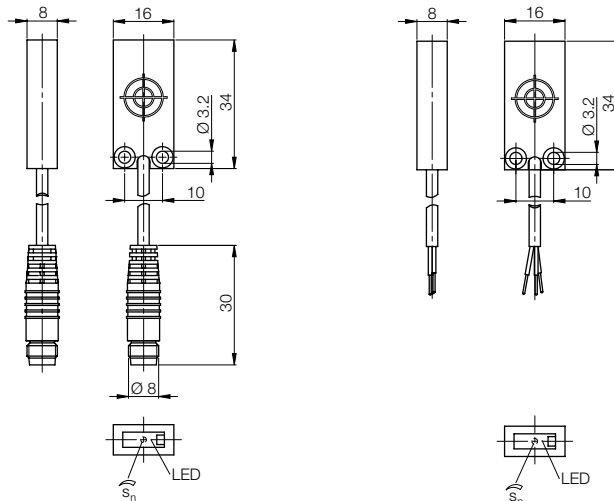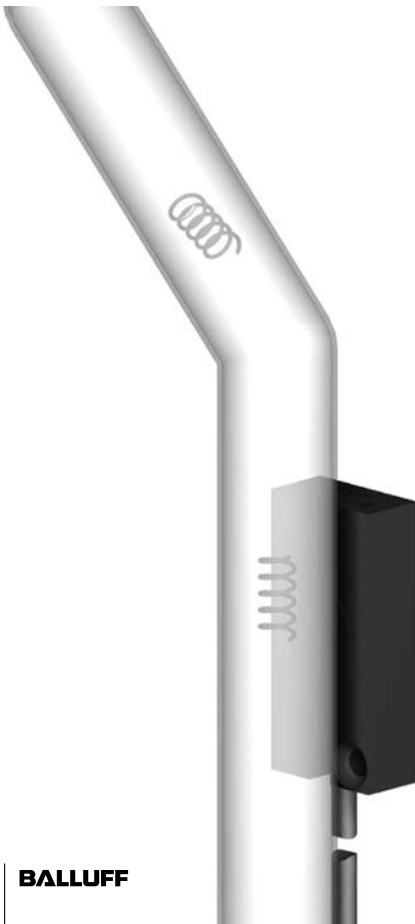# Object Detection

DC 3-wire · Block-style housings
Micro-Box 16×34×8 mm

Housing size		**16×34×8 mm** Micro-Box	**16×34×8 mm** Micro-Box
Mounting		flush	flush
Rated switching distance s_n		**1…8 mm**	**1…8 mm**
PNP Normally open	**Ordering code**	**BCS0055**	**BCS0051**
	Part number	BCS R08RR01-PSM80C-EP00,2-GS49	BCS R08RR01-PSM80C-EP02
PNP Normally closed	**Ordering code**	**BCS0056**	**BCS0052**
	Part number	BCS R08RR01-POM80C-EP00,2-GS49	BCS R08RR01-POM80C-EP02
NPN Normally open	**Ordering code**	**BCS0057**	**BCS0053**
	Part number	BCS R08RR01-NSM80C-EP00,2-GS49	BCS R08RR01-NSM80C-EP02
NPN Normally closed	**Ordering code**	**BCS0058**	**BCS0054**
	Part number	BCS R08RR01-NOM80C-EP00,2-GS49	BCS R08RR01-NOM80C-EP02
Supply voltage U_s		12…30 V DC	12…30 V DC
Voltage drop U_d at I_e		≤ 1.5 V	≤ 1.5 V
Rated insulation voltage U_i		75 V DC	75 V DC
Output current max.		50 mA	50 mA
No-load supply current I_0 max.		≤ 10 mA	≤ 10 mA
Reverse polarity/short circuit protected		yes/yes	yes/yes
Ambient temperature range T_a		–30…+70 °C	–30…+70 °C
Switching frequency f		100 Hz	100 Hz
Output function indicator		LED yellow	LED yellow
Degree of protection per IEC 60529		IP 67	IP 67
Material	Housing	PP	PP
	Sensing face	PP	PP
	Cover	PP	PP
Wiring		0.2 m cable PUR, 3×0.14 mm² with M8 connector, 3-pin	2 m cable PUR, 3×0.14 mm²

Mounting frame included in scope of delivery

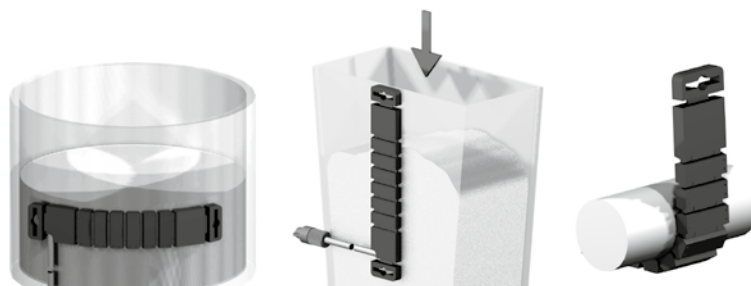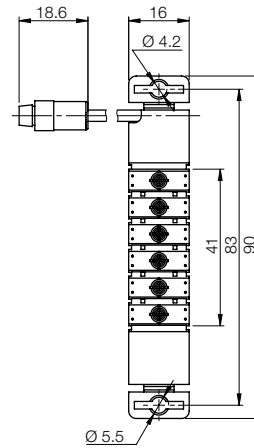Mounting frame included in scope of delivery

Object Detection

DC 3-wire · Stick-on sensor
90×16×4 mm

DC 3-wire

Tubular housings

Disc types

Block-style

Stick-on sensor

DC 4-wire

Dynamic function diagnostics

CE

Housing size		**90×16×4 mm**
Mounting		flush
Rated switching distance s_n		**0…10 mm**
With sensor amplifier	**Ordering code**	**BCS000Y**
	Part number	BCS F01CP01-XXS10C-EP02-GZ01-002
Supply voltage U_S		4…8 V DC
Rated insulation voltage U_i (protection class)		75 V DC
Ambient temperature range T_a		0…+60 °C
Switching frequency f		100 Hz
Degree of protection per IEC 60529		IP 60
Material	Housing	PC/PUR
	Sensing face	PUR
Wiring		2 m cable PUR, 3×0.14 mm²

For sensor amplifiers see
Accessories section

18.6   16
Ø 4.2

41   83   90

Ø 5.5