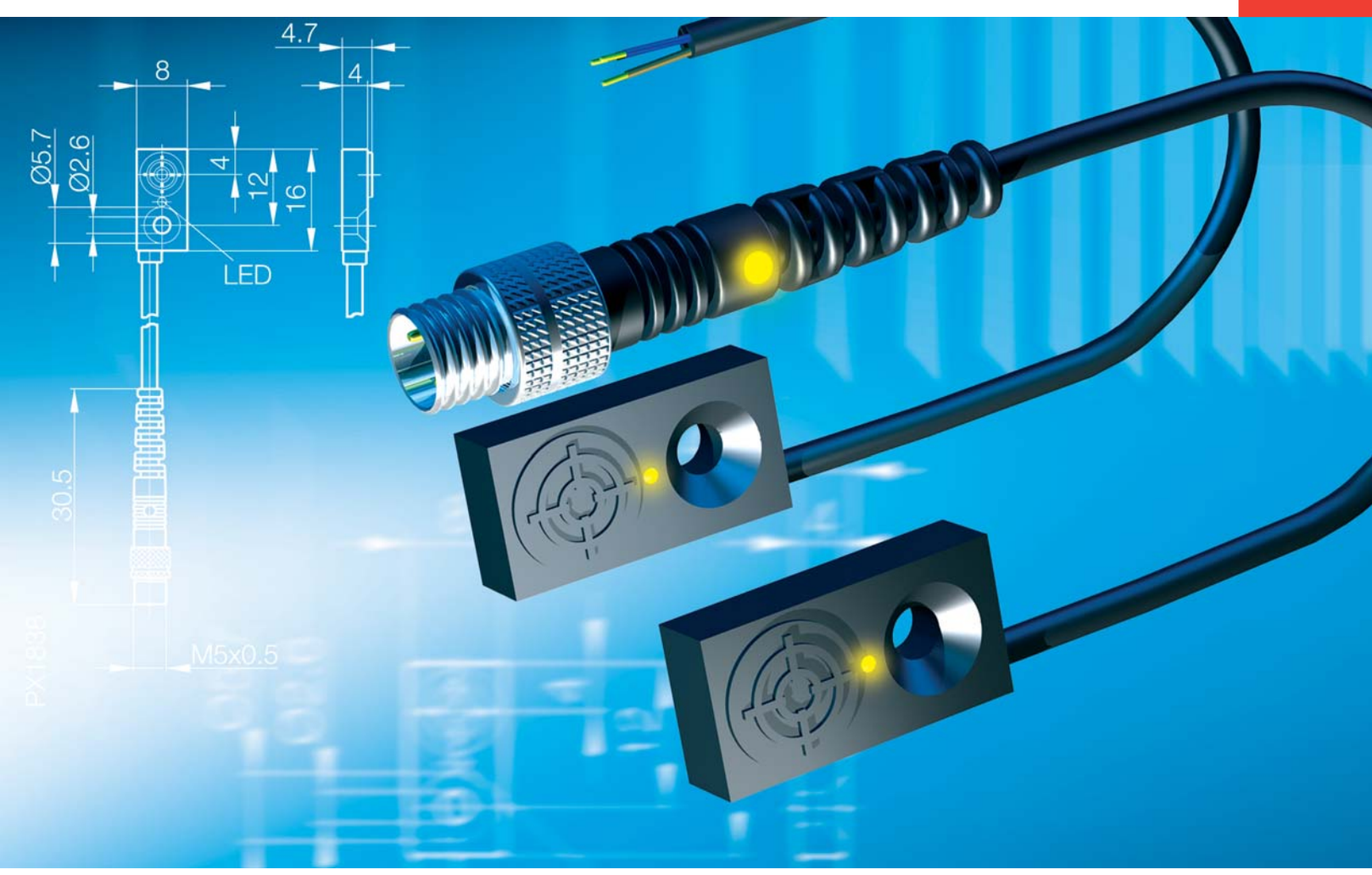
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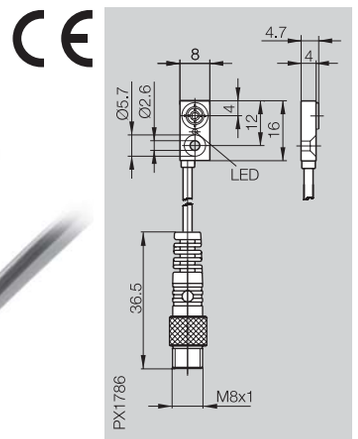
Miniblock R04

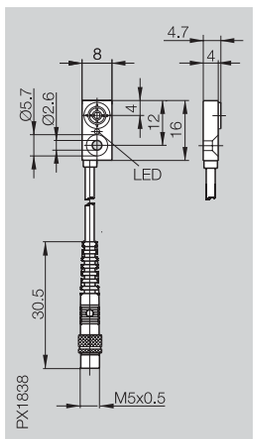
... mini size – maxi performance

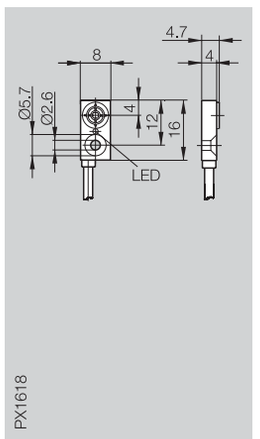




Housing size		**8×16×4**	**8×16×4**	**8×16×4**
Mounting		flush	flush	flush
Rated operating distance s_n		**1.5 mm**	**1.5 mm**	**1.5 mm**
Assured operating distance s_a		0...1.2 mm	0...1.2 mm	0...1.2 mm
PNP	Normally-open	BES R04KC-PSC15B-S49-00,13	BES R04KC-PSC15B-S26-00,2	BES R04KC-PSC15B-EV05
	Normally-closed	BES R04KC-POC15B-S49-00,13	BES R04KC-POC15B-S26-00,2	BES R04KC-POC15B-EV05
NPN	Normally-open	BES R04KC-NSC15B-S49-00,13	BES R04KC-NSC15B-S26-00,2	BES R04KC-NSC15B-EV05
	Normally-closed	BES R04KC-NOC15B-S49-00,13	BES R04KC-NOC15B-S26-00,2	BES R04KC-NOC15B-EV05
Rated operational voltage U_e		24 V DC	24 V DC	24 V DC
Supply voltage U_B		5...30 V DC	5...30 V DC	5...30 V DC
Voltage drop U_d at I_e		≤ 1.5 V	≤ 1.5 V	≤ 1.5 V
Rated insulation voltage U_i		75 V DC	75 V DC	75 V DC
Rated operational current I_e		100 mA	100 mA	100 mA
No-load supply current I_0 max.		≤ 10 mA	≤ 10 mA	≤ 10 mA
Off-state current I_r		≤ 50 µA	≤ 50 µA	≤ 50 µA
Protected against polarity reversal		no	no	no
Short circuit protected		yes	yes	yes
Load capacity		≤ 0.1 µF	≤ 0.1 µF	≤ 0.1 µF
Repeat accuracy R		≤ 1 %	≤ 1 %	≤ 1 %
Ambient temperature range T_a		–25...+70 °C	–25...+70 °C	–25...+70 °C
Frequency of operating cycle f		1000 Hz	1000 Hz	1000 Hz
Utilization category		DC 13	DC 13	DC 13
Function indication		yes	yes	yes
Degree of protection per IEC 60529		IP 67	IP 67	IP 67
Housing material		PA 6	PA 6	PA 6
Material of sensing face		PA 6	PA 6	PA 6
Connection		0.13 m cable with connector, PUR	0.2 m cable with connector, PUR	5 m cable, PVC
No. of wires × conductor cross section				3×0.09 mm²



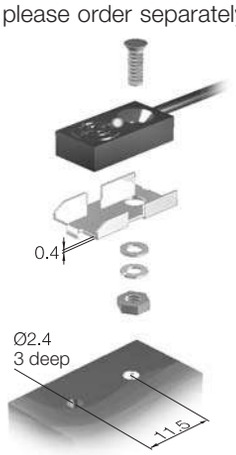




Mini size – maxi performance

- Very compact size with large sensing distance
- Short footprint in sensing direction

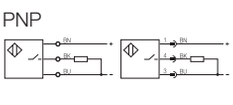
Mounting bracket BES R04-MF-01
please order separately



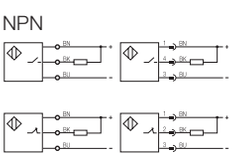
(Fastening parts not included)

Wiring diagrams

PNP

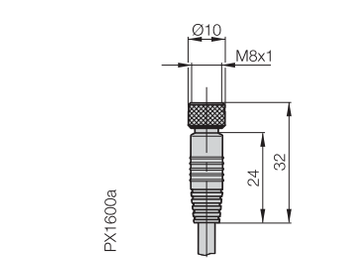


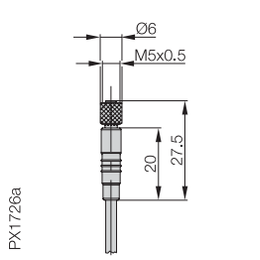
NPN



Recommended connector

Connector		**BKS-B 48**	**BKS-B 25**
Type		straight	straight
Application		S49 sensors	S26 sensors
No LED, normally-open, (3-wire)			BKS-B 25-1-PU-03
No LED, normally-open or normally-closed (3-wire)		BKS-B 48-1-PU-03	
No LED, antivalent (4-wire)			BKS-B 25-3-PU-03
Supply voltage U_B		10...30 V DC	30 V AC/DC
Cable		molded-on PUR	molded-on PUR
No. of wires × conductor cross section		3×0.25 mm²	3×0.14/4×0.14 mm²
Degree of protection per IEC 60529		IP 67	IP 67
Ambient temperature range T_a		–20...+85 °C	–25...+85 °C







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