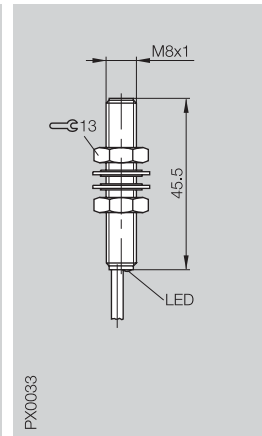
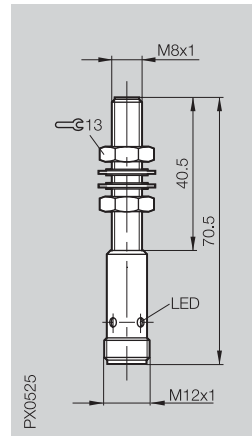


DC 2-wire
M8
s_n 1.5 mm

M8

Housing size	M8x1	M8x1
Mounting (see notes starting p. 1.0.11)	flush	flush
Rated operating distance s _n	1.5 mm	1.5 mm
Assured operating distance s _a	0...1.2 mm	0...1.2 mm



NO	⑨ non-polarized	⑦ polarized	BES 516-526-S 4-H	BES 516-526-E0-H-
NC	⑩ non-polarized		BES 516-527-S 4-H	BES 516-527-E0-H-
Rated operational voltage U _e	24 V DC		24 V DC	
Supply voltage U _B	10...55 V DC non-polarized		10...55 V DC non-polarized	
Voltage drop U _d at I _e	≤ 5 V		≤ 5 V	
Rated insulation voltage U _i	75 V DC		75 V DC	
Rated operational current I _e	130 mA		130 mA	
Minimum operational current I _m	5 mA		5 mA	
Off-state current I _o	≤ 500 µA		≤ 500 µA	
Polarity reversal protected	yes		yes	
Short circuit protected	yes		yes	
Permissible load capacitance	≤ 1 µF		≤ 1 µF	
Repeat accuracy R	≤ 5 %		≤ 5 %	
Ambient temperature range T _a	-25...+70 °C		-25...+70 °C	
Frequency of operating cycles f	3000 Hz		3000 Hz	
Utilization category	DC 13		DC 13	
Function indicator	yes		yes	
Degree of protection per IEC 60529	IP 67		IP 67	
Housing material	Stainless steel		Stainless steel	
Material of sensing face	PBT		PBT	
Connection	Connector		Cable	
No. of wires × cross-section			2×0.14 mm ²	
Approval	cULus		cULus	
Recommended connector	BKS-S 19-11/-S 20-11/ BKS-S 19-12/-S 20-12			

⑨ Wiring diagrams see page 1.0.6
Switching distance ■■ see page 1.0.10

For sensors with **cable** please append cable material and length to ordering code!
Example: **BES 516-526-E0-H-PU-03**
PVC, standard length 3 m = 03
PUR, standard length 3 m = PU-03
or
Example: **BES M08MG-USC20B-BV03**
PVC, standard length 3 m = BV03



M8x1

flush

2 mm

0...1.6 mm

M8x1

flush

2 mm

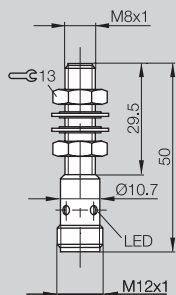
0...1.6 mm

M8x1

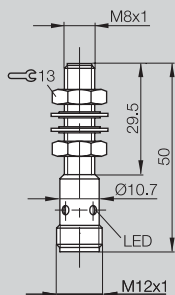
flush

2 mm

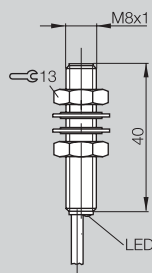
0...1.6 mm



PX1920

Blackline DUO
Switching distance ■■

PX1920

Blackline DUO
Switching distance ■■

PX1919

Blackline DUO
Switching distance ■■

BES M08ME1-USC20B-S04G

BES M08ME1-GSC20B-S04G

BES M08MG-USC20B-

24 V DC

10...30 V DC non-polarized

≤ 5 V

75 V DC

100 mA

5 mA

≤ 600 µA

yes

yes

≤ 1 µF

≤ 5 %

-25...+70 °C

max. 1500 Hz

DC 13

yes

IP 67

Nickel-free plated
brass

PBT

Connector

cULus

BKS-S 19-11/-S 20-11

24 V DC

10...30 V DC polarized

≤ 4 V

75 V DC

100 mA

5 mA

≤ 600 µA

yes

yes

≤ 1 µF

≤ 5 %

-25...+70 °C

max. 1500 Hz

DC 13

yes

IP 67

Nickel-free plated
brass

PBT

Connector

cULus

BKS-S 19-13/-S 20-13

24 V DC

10...30 V DC non-polarized

≤ 5 V

75 V DC

100 mA

5 mA

≤ 600 µA

yes

yes

≤ 1 µF

≤ 5 %

-25...+70 °C

max. 1500 Hz

DC 13

yes

IP 67

Nickel-free plated
brass

PBT

Cable

2x0.14 mm²

cULus

