

4 x S_n
HyperProx

3 x S_n
SuperG

2 x S_n
G

Norm = S_n
Standard

SuperG and HyperProx
New Standards in
switching distances



Inductive Sensors

DC 3-wire
 Ø 6.5 mm, M8, M12
 s_n 3, 4, 6, 8 mm

SuperG and HyperProx

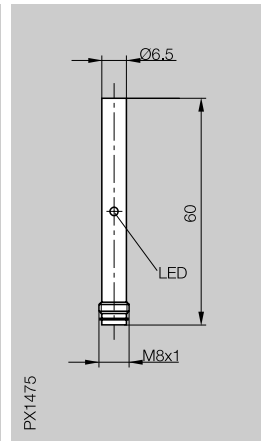
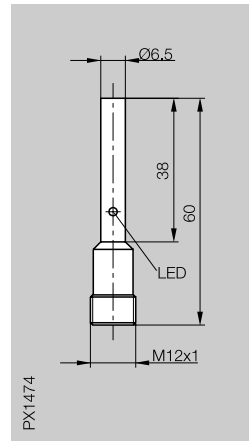
are our problem solvers to your need for greater mechanical installation tolerances and increased distance to targets.

The main *HyperProx* sensors with 4x the switching distance are right here.

Advantages

- Extended switching distances
- Metal housings
- LED for status display
- Extremely resistant to aggressive media

Housing size	Ø 6.5 mm	Ø 6.5 mm
Mounting	flush	flush
Rated operating distance s_n	3 mm	3 mm
Assured operating distance s_a	0...2.4 mm	0...2.4 mm



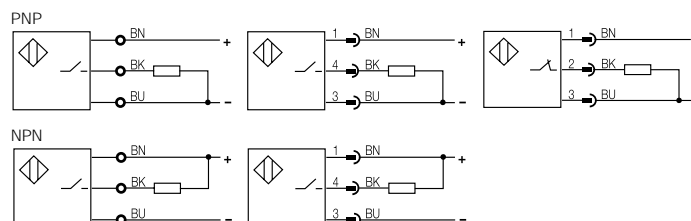
PNP	Normally-open	BES G06MH1-PSC30B-S04G	BES G06MI-PSC30B-S49G
	Normally-closed		BES G06MI-POC30B-S49G
NPN	Normally-open	BES G06MH1-NSC30B-S04G	BES G06MI-NSC30B-S49G
Rated operational voltage U_e	24 V DC	24 V DC	
Supply voltage U_B	10...30 V DC	10...30 V DC	
Voltage drop U_d at I_e	≤ 2 V	≤ 2 V	
Rated operational current I_e	200 mA	200 mA	
No-load supply current I_0 max.	≤ 12 mA	≤ 12 mA	
Off-state current I_r	≤ 100 µA	≤ 100 µA	
Protected against polarity reversal	yes	yes	
Short circuit protected	yes	yes	
Load capacity	≤ 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	1000 Hz	1000 Hz	
Utilization categories	DC 13	DC 13	
Function indication	yes	yes	
Degree of protection per IEC 529	IP 67	IP 67	
Housing material	CuZn chrome plated	CuZn chrome plated	
Material of sensing face	PBT	PBT	
Connection	connector	connector	
No. of wires × conductor cross section			
Recommended connector	BKS-B 19/BKS-B 20	BKS-B 48/BKS-B 49	

For sensors with **cable**, please indicate length in ordering code!

BV03, BV05 = PVC, 3 m or 5 m length
 BP03, BP05 = PUR, 3 m or 5 m length

For sensors with **cable and connector**, please indicate length in ordering code!
 00,2, 00,5 = PUR, 0.2 m or 0.5 m length

Wiring Diagrams



	M8×1 flush 3 mm 0...2.4 mm	M8×1 flush 3 mm 0...2.4 mm	M8×1 flush 4 mm 0...2.9 mm	M8×1 flush 4 mm 0...2.9 mm	M8×1 non-flush 6 mm 0...4.9 mm
	BES M08MH1-PSC30B-S04G	BES M08MH1-PSC30B-S49G	BES M08MI-PSC40B-BP___-GS04	BES M08MI-PSC40B-	BES M08MG1-PSC60F-S04G
	BES M08MH1-NSC30B-S04G	BES M08MH1-NSC30B-S49G	BES M08MI-NSC40B-BP___-GS04	BES M08MI-NSC40B-	BES M08MG1-NSC60F-S04G
	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
	≤ 2 V	≤ 2 V	≤ 2.5 V	≤ 2.5 V	≤ 2 V
	200 mA	200 mA	200 mA	200 mA	200 mA
	≤ 12 mA	≤ 12 mA	≤ 10 mA	≤ 10 mA	≤ 12 mA
	≤ 100 µA	≤ 100 µA	≤ 10 µA	≤ 10 µA	≤ 100 µA
	yes	yes	yes	yes	yes
	yes	yes	yes	yes	yes
	≤ 1 µF	≤ 1 µF	≤ 1 µF	≤ 1 µF	≤ 1 µF
	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %
	-25...+70 °C	-25...+70 °C	0...+60 °C	0...+60 °C	-25...+70 °C
	1000 Hz	1000 Hz	600 Hz	600 Hz	500 Hz
	DC 13	DC 13	DC 13	DC 13	DC 13
	yes	yes	yes	yes	yes
	IP 67	IP 67	IP 67	IP 67	IP 67
	CuZn chrome plated	CuZn chrome plated	CuZn nickel plated	CuZn nickel plated	CuZn chrome plated
	PBT	PBT	PBT	PBT	PBT
	connector	connector	cable with connector	cable	connector
				3 × 0.14 mm ²	
	BKS-B 19/BKS-B 20	BKS-B 48/BKS-B 49	BKS-B 19		BKS-B 19/BKS-B 20

