

Inductive Proximity Switches BERO 3RG4

Rated Operating Distance 15 mm and 20mm

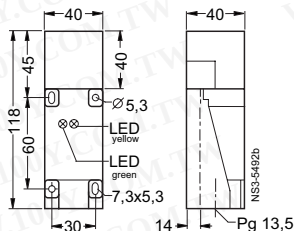
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
 Http://www.100y.com.tw

Selection and ordering data

Rated operating distance S_n
Form
Embeddable in metal
Dimensions

Fig. No.:

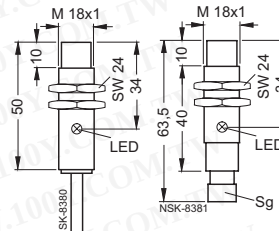
15 mm
40 × 40 mm block
flush (shielded)
Type ①



Pg 13.5= Pg 13.5 threaded opening
 3SX9900 (metal) adapter or
 3SY3124 (plastic)

The sensing surface may be set to 5 different planes.

20 mm
M 18
not flush (not shielded)
Type ②
Type ③



Sg= Receptacle thread

Connecting wires
Product category

Housing material

Operating voltage range
Indicator
Supply current (no load)
Load current

Operating frequency
Repeat accuracy
Response time
Build-up time
Power-up delay

Protection measures

4-wire
Normal Requirements (IP 65)

Molded plastic

15 to 34
2 LED
≤ 30 (24 V); ≤ 50 (34 V)
200 (≤ 50 °C); 150 (≤ 85 °C)

100
0.75
1
5
100

①②③④⑤⑥

Type	Order No.	Weight approx. kg	Wiring diagram p. 104 No.
①	3RG40 34-6CD00	0.24	45
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

with screw terminals
 for cables of
 0.5 to 2.5 mm²

NO and NC
 function, pnp
 NO func., pnp
 NO func., npn

with cable, 2 m, PUR
 3 x 0.34 mm²

NO func., pnp
 NO func., npn

with M12 plug-in connection
 Type E, F

NO func., pnp
 NO func., npn

with M18 plug-in connection
 Type P

NO func., pnp
 NO func., npn

3-wire
Greater rated operating sensing range (IP 67)

Brass

10 to 30
LED
≤ 10
200

200
1
0.9
1.4
100

①②③④⑤⑥

Type	Order No.	Weight approx. kg	Wiring diagram p. 104 No.
-	-	-	-
②	3RG46 23-0AB02	0.12	15
	3RG46 23-0GB02	0.12	17
③	3RG46 23-3AB02	0.06	2
	3RG46 23-3GB02	0.06	4
	3RG46 23-2AB02	0.07	2
	3RG46 23-2GB02	0.07	4

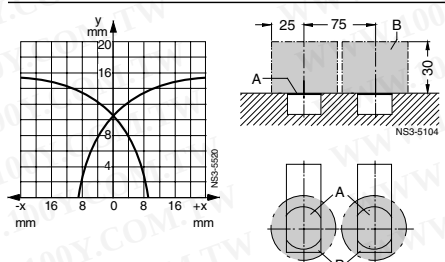
For mating cables and mounting brackets — see Accessories p. 227.

Response characteristics

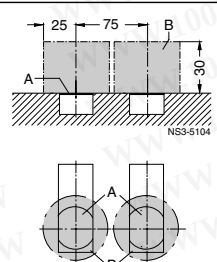
Mounting instructions

Protection measures

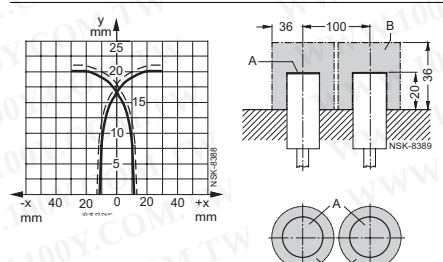
- ☐ Not available
- ☐ False pulse protection
- ☐ Short circuit and overload protection
- ☐ Reverse polarity protection
- ☐ Wire-break protection
- ☐ Inductive interference protection
- ☐ Radio interference protection



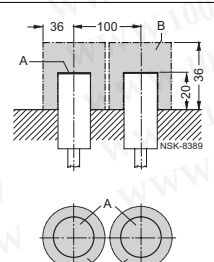
Using standard target



A = sensing surface
 B = metal-free space



Using standard target



A = sensing surface
 B = metal-free space