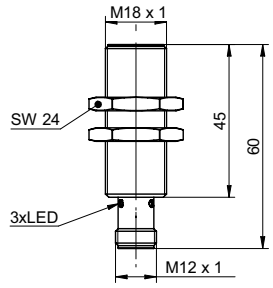
Inductive proximity switches IR18.P08S-11184278

dimension drawing



general data	
mounting type	flush
nominal sensing distance Sn	8 mm
temperature drift	± 10 %
hysteresis	3 ... 20 % of Sr
output indicator	3 port LED red
correction factor typ.	mild steel 100 %, stainless steel 70 %, aluminum 40 %

electrical data	
switching frequency	< 500 Hz
voltage supply range +Vs	6 ... 36 VDC
current consumption max. (no load)	10 mA
output circuit	PNP complementary (NO / NC)
voltage drop Vd	< 2 VDC
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

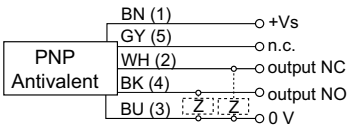
mechanical data	
type	cylindrical threaded
material (sensing face)	PBT
housing material	brass nickel plated
dimension	18 mm
housing length	60 mm
connection types	connector M12
tightening torque max.	40 Nm

ambient conditions	
operating temperature	-25 ... +75 °C
protection class	IP 67

photo



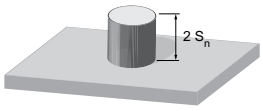
connection diagram



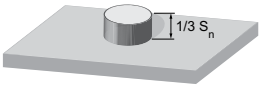
• complementary output

Inductive proximity switches IR18.P08S-11184278

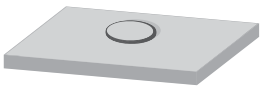
correction factors for different mounting situations (approx.)



Mounting material	Correction factor
Mild steel	100 %
Stainless steel	100 %
Aluminum	100 %



Mounting material	Correction factor
Mild steel	105 %
Stainless steel	100 %
Aluminum	95 %



Mounting material	Correction factor
Mild steel	not possible
Stainless steel	100 %
Aluminum	80 %

mounting instructions

