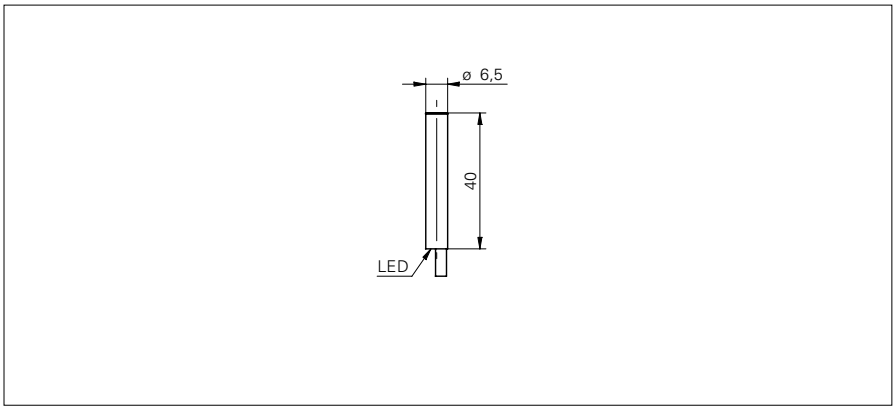
Inductive proximity switch IR06.P03S-11148719

dimension drawing



general data	
mounting type	flush
special type	enhanced distance (GammaProx)
nominal sensing distance Sn	3 mm
temperature drift	± 10 %
hysteresis	3 ... 20 % of Sr
output indicator	LED red
correction factor typ.	mild steel 100 %, stainless steel 65 %, aluminum 30 %

electrical data	
switching frequency	< 2 kHz
voltage supply range +Vs	6 ... 36 VDC
current consumption max. (no load)	10 mA
output circuit	PNP make function (NO)
voltage drop Vd	< 2 VDC
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

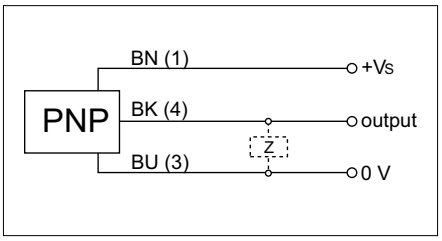
mechanical data	
type	cylindrical smooth
material (sensing face)	PBT
housing material	stainless steel
dimension	6,5 mm
housing length	40 mm
connection types	cable, 2 m

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

photo



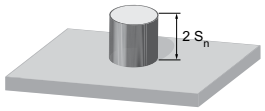
connection diagram



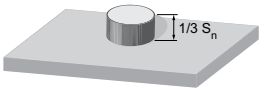
- triple sensing distance

Inductive proximity switch IR06.P03S-11148719

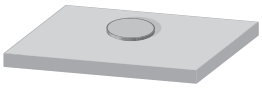
correction factors for different mounting situations (approximate values)



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



Mounting material	Correction factor
Mild steel	85 %
Stainless steel	65 %
Aluminum	55 %



Mounting material	Correction factor
Mild steel	90 %
Stainless steel	60 %
Aluminum	45 %

mounting instructions

