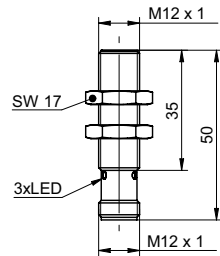


Inductive proximity switch

IGYX 12

sample drawing



general data

mounting type	shielded
nominal sensing distance S_n	4 mm
assured sensing distance S_a	3,2 mm
temperature drift	$\pm 10\%$ of S_r (0 ... +60 °C)
hysteresis	3 ... 20 % of S_r

electrical data

switching frequency	< 1,5 kHz
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	15 mA
voltage drop Vd	< 2,5 VDC
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	cylindrical threaded
material (sensing face)	PBT, red
housing material	brass nickel plated
dimension	12 mm
tightening torque	10 Nm

cable, 2 m

housing length	40 mm
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connector M12

housing length	50 mm
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ambient conditions

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

sample picture



Inductive proximity switch**IGYX 12**

order reference	connection types	output circuit	output indicator
IGYX 12N17B3/L	cable, 2 m	NPN make function (NO)	LED red
IGYX 12N17B3/S14L	connector M12	NPN make function (NO)	3 port LED red
IGYX 12N37B3/L	cable, 2 m	NPN break function (NC)	LED red
IGYX 12N37B3/S14L	connector M12	NPN break function (NC)	3 port LED red
IGYX 12P17B3/L	cable, 2 m	PNP make function (NO)	LED red
IGYX 12P17B3/S14L	connector M12	PNP make function (NO)	3 port LED red
IGYX 12P37B3/L	cable, 2 m	PNP break function (NC)	LED red
IGYX 12P37B3/S14L	connector M12	PNP break function (NC)	3 port LED red