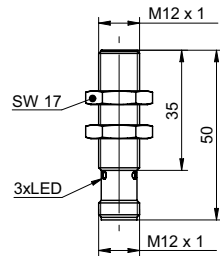


## Inductive proximity switch

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**

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