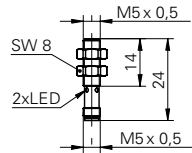


Inductive proximity switch

IFRM 05 (Sn = 1,6 mm, short)

sample drawing



general data

mounting type	flush
nominal sensing distance Sn	1,6 mm
hysteresis	2 ... 20 % of Sr

electrical data

switching frequency	< 3 kHz
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	12 mA
voltage drop Vd	< 2 VDC
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	cylindrical threaded
material (sensing face)	LCP
housing material	stainless steel
dimension	5 mm

cable, 2 m

housing length	20 mm
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connector M5

housing length	24 mm
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ambient conditions

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

order reference	connection types	output circuit	output indicator
IFRM 05N17A3/PL	cable, 2 m	NPN make function (NO)	LED red
IFRM 05N17A3/S05L	connector M5	NPN make function (NO)	2 port LED red
IFRM 05N37A3/PL	cable, 2 m	NPN break function (NC)	LED red
IFRM 05N37A3/S05L	connector M5	NPN break function (NC)	2 port LED red
IFRM 05P17A3/PL	cable, 2 m	PNP make function (NO)	LED red
IFRM 05P17A3/S05L	connector M5	PNP make function (NO)	2 port LED red
IFRM 05P37A3/PL	cable, 2 m	PNP break function (NC)	LED red
IFRM 05P37A3/S05L	connector M5	PNP break function (NC)	2 port LED red

sample picture

