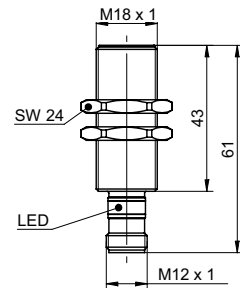


Inductive proximity switch

IFRR 18P37M1/S14L-9

dimension drawing



general data

mounting type	shielded
special type	Outdoor
nominal sensing distance S_n	10 mm
hysteresis	2 ... 15 % of S_r
output indicator	LED red
Approvals/certificates	Ecolab

electrical data

switching frequency	< 400 Hz
voltage supply range +Vs	12 ... 30 VDC
current consumption max. (no load)	24 mA
output circuit	PNP break function (NC)
voltage drop V_d	< 2 VDC
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	cylindrical threaded
material (sensing face)	LCP
housing material	stainless steel 1.4404 (V4A); LSR
dimension	18 mm
housing length	61 mm
connection types	connector M12

ambient conditions

operating temperature	-40 ... +80 °C
protection class	IP 68/69K & proTect+

photo



connection diagram



- LSR = Liquid Silicon Rubber
- load resistance: $Z < 100 \text{ k}\Omega$ must be connected