

High pressure resistant inductive sensors **LR14X** series



Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



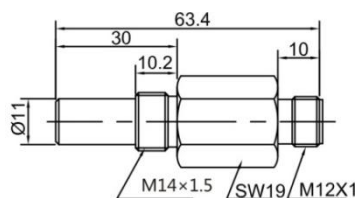
Part number

NPN NO	LR14XBF03DNOB-E2	PNP NO	LR14XBF03DPOB-E2
NPN NC	LR14XBF03DNCB-E2	PNP NC	LR14XBF03DPCB-E2

Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	3mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...2.4mm	Output indicator	...
Dimensions	M14*63.4mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	400 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤±15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP68
Load current	≤100mA	Housing material	Stainless steel housing
Residual voltage	≤2.5V	Connection type	M12 connector

Dimensions



Wiring diagram

