

WSI-1810-FAA+



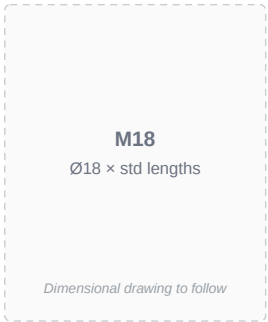
Inductive proximity sensor

DESIGN FAMILY MIG+

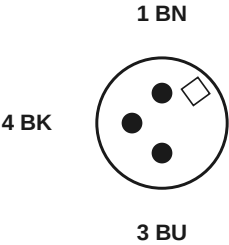
- Weld-immune
- WFI PARAMETERS



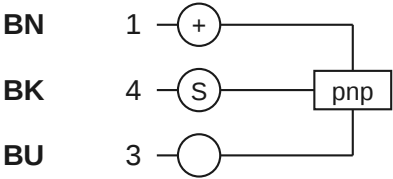
DIMENSIONS



PINOUT



OUTPUT



CERTIFICATIONS



Technical data			
Electrical features		Mechanical features	
Supply Voltage	10–30 VDC	Form Factor	M18
No-Load Current	≤10 mA	Dimensions (mm)	Ø18 × std lengths
Max Output Current	≤200 mA	Mounting	Flush
Voltage Drop	≤2.0 V	Material (body)	304 Stainless
Output Circuit	PNP	Material (Face)	HYPERFACE
Output Normal State	N.O.	Coating	ACTIVSTONE
Switching Frequency	~500–800 Hz	Coating Type	Z
Response Time	124ms	Connection	
Sensing performance		Connector Type	M12
Rated Sensing Distance (Sn)	9.7mm	Connector Material	FEP over METAL
Correction Factors (Steel=100%)	Steel=1 Cu=0.85 Al=1 Brass=1.3 SS=0.5/0.9	Cable Sheath Outer	FLEXLINC DOUBLELOC STAINLESS
Factor 1	YES	Cable Length	0.5m
Hysteresis	3–15%	Cable Exit Direction	45deg
Repeat Accuracy	≤0.5 mm	LED on Sensor	YES
SENSING TARGETS PRACTICALITY	Steel, Aluminum	LED on Connector	YES
Environmental		Connector LED Color	AMBER
Operating Temperature	-25...+85°C		
Protection Class	IP67–IP69K		