

SIM18FM1NSX	
Product	Inductive Sensor
Serial	SIM Series Inductive Sensor
Body Material	Metal
Type	Flush
Output/Contact Type	NPN-NO
Sensing Distance	5mm
Connection Type	M12 Connector
Connection / Nominal Dimension	M18
Mounting	Flush
Operational Voltage	10-30V DC
Insulation Voltage (Ui)	1500 VAC
Impulse Withstand Voltage (Uimp)	75V DC
Operating Temperature	-25°C…+70°C
Pollution Degree	3
Protection Degree	IP67
Hysterisis	<%15 Sr (effective operating distance)
Number of Contact	1
Repeat Accuracy	<0,1 Sr
Switching Frequency	800 Hz
Reverse Polarity Protection	Available
Short Circuit Protection	Available
Max. Load Current	200 mA hiccup
Temperature Drift	<0,1 Sr
Time Delay Before Availability	≤100 ms
No Load Current	< 15 mA
Leakage Current	≤0,5mA
Min. Load Current	< 1mA

Voltage Drop	< 2 V
Ripple (Voltage)	< %10
EMC	61000-4-3 3V/m -- 61000-4-6 3
Conditional Short Circuit Current	100A
Usage Category - Operating Current	DC13 - 200mA
Sensing Face	PBT
Number of Cable and Cable Section	3 x 0,34 mm2
Specifications	Fast switching
	Resistant to friction and attrition
	With Cable and Connector models
	Short circuit and overload protection
	Reverse polarity protection

