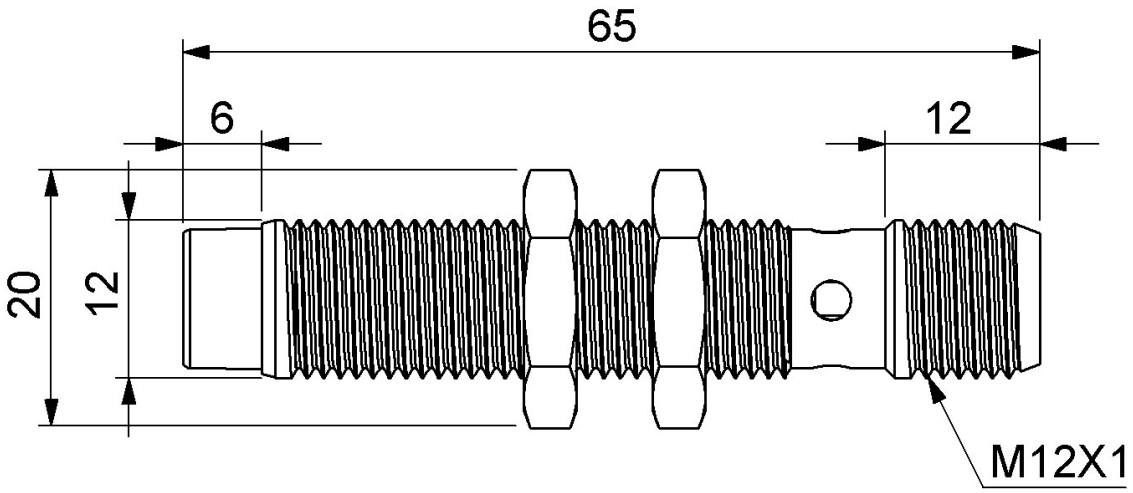
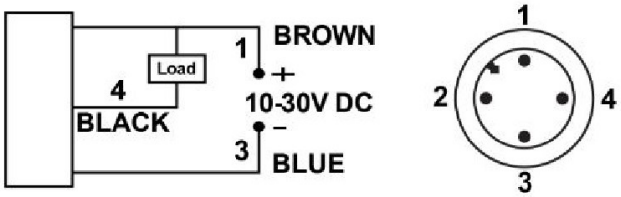


| SIM12NM1OSX | |
|---|---|
| **Product** | Inductive Sensor |
| **Serial** | SIM Series Inductive Sensor |
| **Body Material** | Metal |
| **Type** | Nonflush |
| **Output/Contact Type** | NPN-NC |
| **Sensing Distance** | 4mm |
| **Connection Type** | M12 Connector |
| **Connection / Nominal Dimension** | M12 |
| **Mounting** | Non 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** | 400 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 0,25  mm2 |
| **Production Time** | 1.11.2020 00:00:00 |
| **Specifications** | Fast switching |
| | Resistant to friction and attrition |
| | With Cable and Connector models |
| | Short circuit and overload protection |
| | Reverse polarity protection |




65
6
12
20
12
M12X1


Load
1
BROWN
+
4
10-30V DC
BLACK
–
3
BLUE
1
2
4
3