

## SIM18NM1NC2

|                                |                                        |
|--------------------------------|----------------------------------------|
| Sensing Distance               | 8mm                                    |
| Sensing Face                   | PBT                                    |
| Switching Frequency            | 400 Hz                                 |
| Connection Type                | 2m Cable                               |
| Operational Voltage            | 10-30V DC                              |
| Product                        | Inductive Sensor                       |
| Type                           | Nonflush                               |
| Mounting                       | Non Flush                              |
| Dia                            | M18                                    |
| Insulation Voltage             | <b>Ui</b> 1500 VAC                     |
| Impulse Withstand Voltage      | <b>Uimp</b> 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                                |
| Output/Contact Type            | NPN-NO                                 |
| 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                                  |

|                                                                                                                                                                                                                                                                                                                                         |                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>EMC</b>                                                                                                                                                                                                                                                                                                                              | 61000-4-3 3V/m -- 61000-4-6 3         |
| <b>Conditional Short<br/>Circuit Current</b>                                                                                                                                                                                                                                                                                            | 100A                                  |
| <b>Usage Category -<br/>Operating Current</b>                                                                                                                                                                                                                                                                                           | DC13 - 200mA                          |
| <b>Body Material</b>                                                                                                                                                                                                                                                                                                                    | Metal                                 |
| <b>Number of Cable and<br/>Cable Section</b>                                                                                                                                                                                                                                                                                            | 3 x 0,34 mm <sup>2</sup>              |
| <b>Serial</b>                                                                                                                                                                                                                                                                                                                           | SIM Series                            |
| <b>Specifications</b>                                                                                                                                                                                                                                                                                                                   | Rapid switching                       |
|                                                                                                                                                                                                                                                                                                                                         | Easy to install                       |
|                                                                                                                                                                                                                                                                                                                                         | Short circuit and overload protection |
|                                                                                                                                                                                                                                                                                                                                         | Reverse polarity protection           |
|     |                                       |