



### SIM30FM1PC2

|                                |      |                                        |
|--------------------------------|------|----------------------------------------|
| Sensing Distance               |      | 10mm                                   |
| Sensing Face                   |      | PBT                                    |
| Switching Frequency            |      | 400 Hz                                 |
| Connection Type                |      | 2m Cable                               |
| Operational Voltage            |      | 10-30V DC                              |
| Product                        |      | Inductive Sensor                       |
| Type                           |      | Flush                                  |
| Mounting                       |      | Flush                                  |
| Dia                            |      | M30                                    |
| Insulation Voltage             | Ui   | 1500 VAC                               |
| Impulse Withstand Voltage      | Uimp | 75V DC                                 |
| Operating Temperature          |      | -25°C...+70°C                          |
| Pollution Degree               |      | 3                                      |
| Protection Degree              |      | IP67                                   |
| Hysteresis                     |      | <%15 Sr (effective operating distance) |
| Number of Contact              |      | 1                                      |
| Repeat Accuracy                |      | <0,1 Sr                                |
| Output/Contact Type            |      | PNP-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           |
|     |                                       |