







### SIM30FM1RC2

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|---|--|
| <b>Product</b>                          | Inductive Sensor                       |
| <b>Serial</b>                           | SIM Series Inductive Sensor            |
| <b>Body Material</b>                    | Metal                                  |
| <b>Type</b>                             | Flush                                  |
| <b>Output/Contact Type</b>              | PNP-NC                                 |
| <b>Sensing Distance</b>                 | 10mm                                   |
| <b>Connection Type</b>                  | 2m Cable                               |
| <b>Connection / Nominal Dimension</b>   | M30                                    |
| <b>Mounting</b>                         | Flush                                  |
| <b>Operational Voltage</b>              | 10-30V DC                              |
| <b>Insulation Voltage (Ui)</b>          | 1500 VAC                               |
| <b>Impulse Withstand Voltage (Uimp)</b> | 75V DC                                 |
| <b>Operating Temperature</b>            | -25°C...+70°C                          |
| <b>Pollution Degree</b>                 | 3                                      |
| <b>Protection Degree</b>                | IP67                                   |
| <b>Hysteresis</b>                       | <%15 Sr (effective operating distance) |
| <b>Number of Contact</b>                | 1                                      |
| <b>Repeat Accuracy</b>                  | <0,1 Sr                                |
| <b>Switching Frequency</b>              | 400 Hz                                 |
| <b>Reverse Polarity Protection</b>      | Available                              |
| <b>Short Circuit Protection</b>         | Available                              |
| <b>Max. Load Current</b>                | 200 mA hiccup                          |
| <b>Temperature Drift</b>                | <0,1 Sr                                |
| <b>Time Delay Before Availability</b>   | ≤100 ms                                |
| <b>No Load Current</b>                  | < 15 mA                                |
| <b>Leakage Current</b>                  | ≤0,5mA                                 |
| <b>Min. Load Current</b>                | < 1mA                                  |

|   |                                       |
|---|---------------------------------------|
| <b>Voltage Drop</b>   | < 2 V                                 |
| <b>Ripple (Voltage)</b>   | < %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>Sensing Face</b>   | PBT                                   |
| <b>Number of Cable and<br/>Cable Section</b>  | 3 x 0,34 mm <sup>2</sup>              |
| <b>Specifications</b>   | Fast switching                        |
|   | Resistant to friction and attrition   |
|   | With Cable and Connector models       |
|   | Short circuit and overload protection |
|   | Reverse polarity protection           |
|     |                                       |

