



RFID NON-CONTACT SAFETY SWITCH RECTANGULAR  
25MM X 91MM,  
INDIVIDUALLY CODED,  
SINGLE TEACH-IN CAPABILITY WITH M12 CONNECTOR  
8-POLE ORDER ACTUATOR SEPARATELY 3SE6310-  
0BC01

### General technical data:

|                                                            |    |                                                             |
|------------------------------------------------------------|----|-------------------------------------------------------------|
| Product designation                                        |    | RFID safety switch                                          |
| Product feature                                            |    | individually coded, learnable once, without magnet latching |
| Design of the product                                      |    | RFID safety cut-out switch                                  |
| Design of the operating mechanism                          |    | RFID                                                        |
| Product function / cross circuit/short circuit recognition |    | Yes                                                         |
| Product function / positive opening                        |    | No                                                          |
| Output current / minimum                                   | A  | 0.5                                                         |
| Output current / at the safety-related output / maximum    | A  | 0.25                                                        |
| Type of voltage                                            |    | DC                                                          |
| Supply voltage                                             | V  | 20.4 ... 26.4                                               |
| Voltage type / of operating voltage                        |    | DC                                                          |
| Operating voltage / rated value                            | V  | 24                                                          |
| Operating current / rated value                            | A  | 0.6                                                         |
| Resistance against shock / according to IEC 60068-2-27     |    | Sinusoidal half-wave 30g / 11 ms                            |
| Resistance against vibration / according to IEC 60068-2-6  |    | 10 ... 55 Hz: 1 mm                                          |
| Suitability for use / safety-related circuits              |    | Yes                                                         |
| Design of the interface / for safety-related communication |    | connector M12                                               |
| Operating distance                                         | mm | 12                                                          |

|                                          |    |     |
|------------------------------------------|----|-----|
| Switching frequency                      | Hz | 1   |
| Secure switching distance OFF:           | mm | 16  |
| Secure switching distance ON             | mm | 10  |
| Design of the evaluation unit / required |    | yes |

#### Enclosure:

|                                                                                                                                                   |    |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------|
| Mounting type                                                                                                                                     |    | screw fixing                |
| Material <ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the cable sheath</li> <li>• of the active sensor area</li> </ul> |    | plastic<br>PVC<br>plastic   |
| Height of the sensor                                                                                                                              | mm | 22                          |
| Length of the sensor                                                                                                                              | mm | 106                         |
| Width of the sensor                                                                                                                               | mm | 25                          |
| Mechanical installation condition for sensor                                                                                                      |    | flush installation possible |

#### Contact:

|                                                                        |  |                    |
|------------------------------------------------------------------------|--|--------------------|
| Design of the switching function                                       |  | positive switching |
| Number of switching contacts / for reporting function / safety-related |  | 1                  |
| Design of the electrical connection                                    |  | connector M12      |

#### Ambient conditions:

|                                                                                          |    |             |
|------------------------------------------------------------------------------------------|----|-------------|
| Ambient temperature <ul style="list-style-type: none"> <li>• during operating</li> </ul> | °C | -25 ... +70 |
|------------------------------------------------------------------------------------------|----|-------------|

#### Certificates/ approvals:

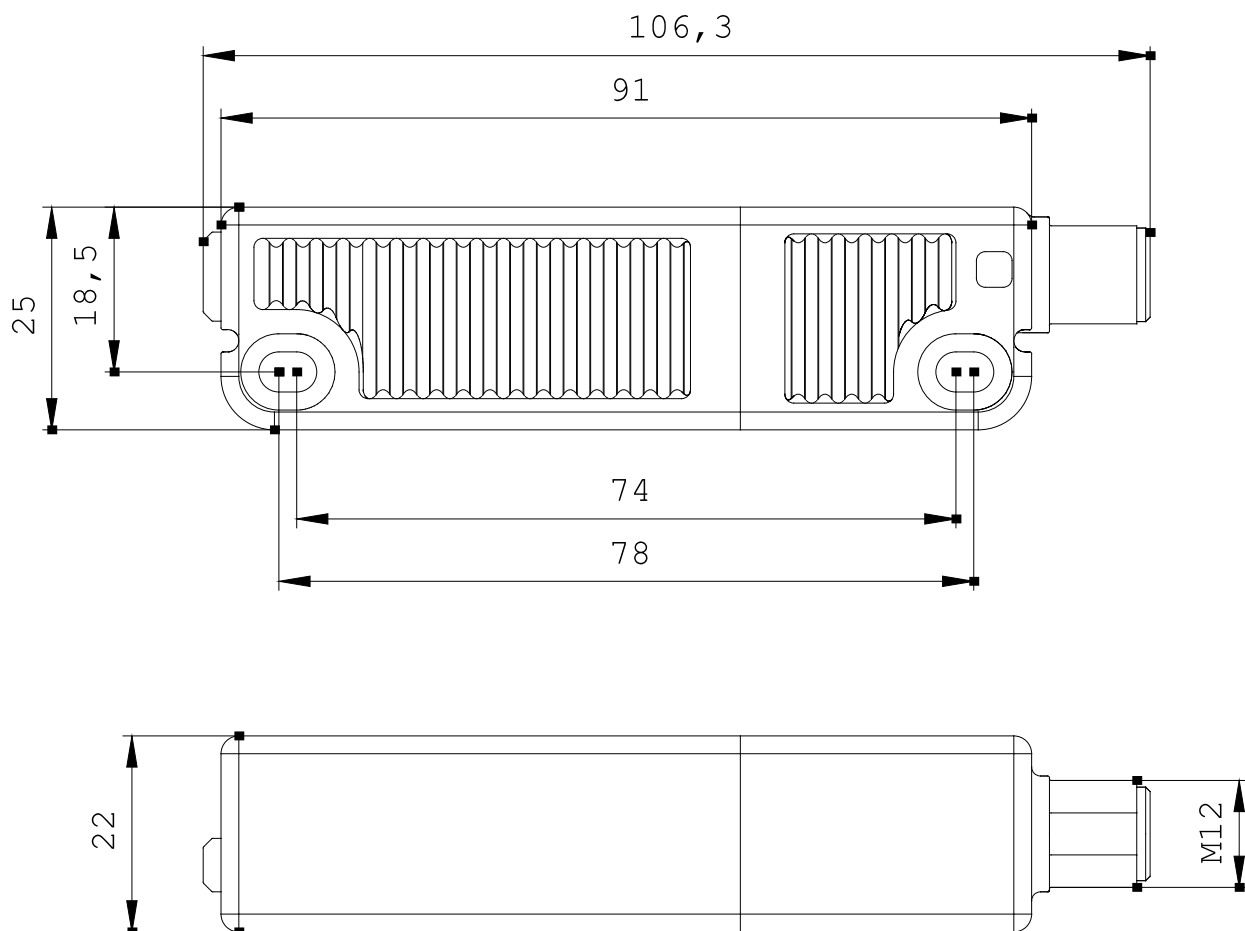
|                                                       |                                         |                           |                   |
|-------------------------------------------------------|-----------------------------------------|---------------------------|-------------------|
| Protection class IP                                   |                                         |                           | IP65, IP67, IP69k |
| Verification of suitability                           |                                         |                           | cURus             |
| Safety Integrity Level (SIL) / according to IEC 61508 |                                         |                           | SIL3              |
| Performance level (PL) / according to EN ISO 13849-1  |                                         |                           | e                 |
| Category / according to EN 954-1                      |                                         |                           | 4                 |
| General Product Approval                              | Functional Safety / Safety of Machinery | Declaration of Conformity | other             |



[Declaration of Conformity](#)

#### Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)  
<http://www.siemens.com/industrial-controls/catalogs>



last change:

Jul 17, 2014