

POSITION SWITCH METAL-ENCLOSED ROLLER PLUNGER, SNAP-ACTION  
CONTACTS 2NC M12 CONNECT.,5-POLE, FIXED, PIN ASSIGN.:  
PIN1=11,PIN2=12, PIN3=21,PIN4=22,PIN5=PE NC=PIN1+2, NC=PIN3+4  
MATCHING COUPLING PLUG 3RX8000-0CB55

|                                                                                     |  |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| product designation                                                                 |  | position switch                                                                     |                                                                                     |                                                                                     |
| suitability for use safety switch                                                   |  | Yes                                                                                 |                                                                                     |                                                                                     |
| General technical data                                                              |  |                                                                                     |                                                                                     |                                                                                     |
| protection class IP                                                                 |  | IP67                                                                                |                                                                                     |                                                                                     |
| reference code according to IEC 81346-2                                             |  | B                                                                                   |                                                                                     |                                                                                     |
| active principle                                                                    |  | mechanical                                                                          |                                                                                     |                                                                                     |
| Substance Prohibittance (day/month/year)                                            |  | 07/01/2006                                                                          |                                                                                     |                                                                                     |
| Net Weight                                                                          |  | 0.4 kg                                                                              |                                                                                     |                                                                                     |
| length of the sensor                                                                |  | 132.5 mm                                                                            |                                                                                     |                                                                                     |
| width of the sensor                                                                 |  | 40 mm                                                                               |                                                                                     |                                                                                     |
| Ambient conditions                                                                  |  |                                                                                     |                                                                                     |                                                                                     |
| ambient temperature                                                                 |  |                                                                                     |                                                                                     |                                                                                     |
| • during operation                                                                  |  | -30 ... +85 °C                                                                      |                                                                                     |                                                                                     |
| explosion protection category for dust                                              |  | none                                                                                |                                                                                     |                                                                                     |
| design of the switching contact                                                     |  | mechanical                                                                          |                                                                                     |                                                                                     |
| number of NC contacts for auxiliary contacts                                        |  | 2                                                                                   |                                                                                     |                                                                                     |
| number of NO contacts for auxiliary contacts                                        |  | 0                                                                                   |                                                                                     |                                                                                     |
| Enclosure                                                                           |  |                                                                                     |                                                                                     |                                                                                     |
| design of the housing                                                               |  | design complying with EN 50041                                                      |                                                                                     |                                                                                     |
| material of the enclosure                                                           |  | metal                                                                               |                                                                                     |                                                                                     |
| coating of the enclosure                                                            |  | painted                                                                             |                                                                                     |                                                                                     |
| design of the housing according to standard                                         |  | Yes                                                                                 |                                                                                     |                                                                                     |
| Drive Head                                                                          |  |                                                                                     |                                                                                     |                                                                                     |
| design of the actuating element                                                     |  | roller plunger                                                                      |                                                                                     |                                                                                     |
| standard-compliant actuator head                                                    |  | EN 50041, design C                                                                  |                                                                                     |                                                                                     |
| shape of the switch head                                                            |  | roller                                                                              |                                                                                     |                                                                                     |
| design of the switching function                                                    |  | positive opening                                                                    |                                                                                     |                                                                                     |
| circuit principle                                                                   |  | snap-action contacts                                                                |                                                                                     |                                                                                     |
| number of switching contacts safety-related                                         |  | 2                                                                                   |                                                                                     |                                                                                     |
| Installation/ mounting/ dimensions                                                  |  |                                                                                     |                                                                                     |                                                                                     |
| fastening method                                                                    |  | screw fixing                                                                        |                                                                                     |                                                                                     |
| Connections/ Terminals                                                              |  |                                                                                     |                                                                                     |                                                                                     |
| type of electrical connection                                                       |  | M12 plug, fixed, 5-pole                                                             |                                                                                     |                                                                                     |
| design of the interface for safety-related communication                            |  | without                                                                             |                                                                                     |                                                                                     |
| Communication/ Protocol                                                             |  |                                                                                     |                                                                                     |                                                                                     |
| design of the interface                                                             |  | without                                                                             |                                                                                     |                                                                                     |
| Approvals Certificates                                                              |  |                                                                                     |                                                                                     |                                                                                     |
| General Product Approval                                                            |  | Test Certificates                                                                   | Maritime application                                                                | other                                                                               |
|  |  |  |  |  |
| other                                                                               |  | Environment                                                                         |                                                                                     |                                                                                     |



[Environmental Con-  
firmations](#)

#### Further information

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information for data generation and storage**

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE2120-8DV00-0AC5>

**Cax online generator**

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE2120-8DV00-0AC5>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SE2120-8DV00-0AC5>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE2120-8DV00-0AC5&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE2120-8DV00-0AC5&lang=en)

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