



COMPACT SWITCH 40MM WIDE WITH M12  
CONNECTOR SNAP-ACTION CONTACTS 1NO+1NC  
ROLLER PLUNGER,

### General technical details:

|                                                      |   |                |
|------------------------------------------------------|---|----------------|
| <b>Product designation</b>                           |   | compact switch |
| <b>Explosion protection category for dust</b>        |   | none           |
| <b>Insulation voltage</b>                            |   |                |
| • rated value                                        | V | 400            |
| <b>Degree of pollution</b>                           |   | 3              |
| <b>Thermal current</b>                               | A | 10             |
| <b>Operating current</b>                             |   |                |
| • at AC-15                                           |   |                |
| • at 125 V / rated value                             | A | 6              |
| • at 230 V / rated value                             | A | 3              |
| • at DC-13                                           |   |                |
| • at 125 V / rated value                             | A | 0.55           |
| • at 230 V / rated value                             | A | 0.27           |
| <b>Continuous current</b>                            |   |                |
| • of the slow DIAZED fuse link                       | A | 10             |
| • of the quick DIAZED fuse link                      | A | 10             |
| • of the C characteristic circuit breaker            | A | 3              |
| <b>Mechanical operating cycles as operating time</b> |   |                |
| • typical                                            |   | 10,000,000     |

|                                                                               |            |                                                                                             |
|-------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------|
| <b>Electrical operating cycles as operating time</b>                          |            |                                                                                             |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical |            | 500,000                                                                                     |
| • at AC-15 / at 230 V / typical                                               |            | 100,000                                                                                     |
| <b>Electrical operating cycles in one hour</b>                                |            |                                                                                             |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026           |            | 1,800                                                                                       |
| <b>Repeat accuracy</b>                                                        | mm         | 0.05                                                                                        |
| <b>Design of the contact element</b>                                          |            | snap-action contacts                                                                        |
| <b>Number of NC contacts</b>                                                  |            |                                                                                             |
| • for auxiliary contacts                                                      |            | 1                                                                                           |
| <b>Design of the switching function</b>                                       |            | snap-action contact                                                                         |
| <b>Number of NO contacts</b>                                                  |            |                                                                                             |
| • for auxiliary contacts                                                      |            | 1                                                                                           |
| <b>Resistance against vibration</b>                                           |            | 0.35 mm / 5g                                                                                |
| <b>Resistance against shock</b>                                               |            | 30g / 11 ms                                                                                 |
| <b>Ambient temperature</b>                                                    |            |                                                                                             |
| • during operating                                                            | °C         | -25 ... +85                                                                                 |
| • during storage                                                              | °C         | -25 ... +85                                                                                 |
| <b>Width of the sensor</b>                                                    | mm         | 40                                                                                          |
| <b>Material</b>                                                               |            |                                                                                             |
| • of the enclosure                                                            |            | metal                                                                                       |
| <b>Material / of the enclosure / of the switch head</b>                       |            | metal                                                                                       |
| <b>Design of the operating mechanism</b>                                      |            | rounded plunger                                                                             |
| <b>Actuating speed</b>                                                        | mm/s / m/s | 0.05 ... 2                                                                                  |
| <b>Minimum actuating force / in activation direction</b>                      | N          | 20                                                                                          |
| <b>Protection class IP</b>                                                    |            | IP67                                                                                        |
| <b>mounting position</b>                                                      |            | any                                                                                         |
| <b>Design of the electrical connection</b>                                    |            | M12 plug, fixed, 5-pole                                                                     |
| <b>Design of the plug-in connection</b>                                       |            | M12 connector, 5-pole: pin 1= terminal BK, pin 2= BK/WH, pin 3= BU, pin 4= BN, pin 5= GN/YE |
| <b>Reference code</b>                                                         |            |                                                                                             |
| • according to DIN 40719 extended according to IEC 204-2                      |            | S                                                                                           |
| • according to DIN EN 61346-2                                                 |            | B                                                                                           |

#### Certificates/approvals:

|                                 |                                  |              |
|---------------------------------|----------------------------------|--------------|
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> | <b>other</b> |
|---------------------------------|----------------------------------|--------------|



[Confirmation](#)

#### Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

##### Cax online generator:

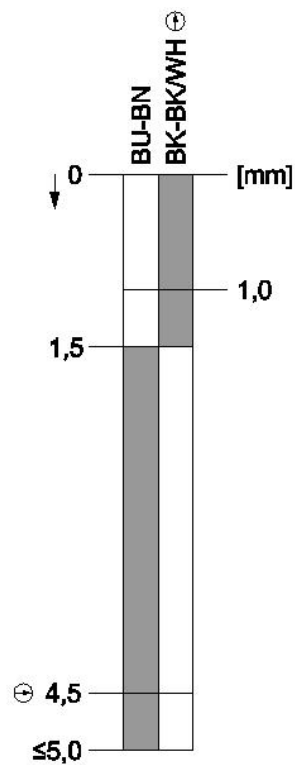
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5423-0CC20-1EB1/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5423-0CC20-1EB1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5423-0CC20-1EB1)



last change:

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