

short circuit alarm switch changeover contacts type HQ (7mm)  
 electronic-comp. accessory for: 3VA1 160



| Model               |                                      |
|---------------------|--------------------------------------|
| Product brand name  | SETRON                               |
| Product designation | Short-circuit signaling switch       |
| Product version     | Accessories for 3VA circuit breakers |
| Accessories         | Short-circuit signaling switch       |

| General technical data |     |
|------------------------|-----|
| Degree of pollution    | 3   |
| Overvoltage category   | III |

| Voltage                                     |       |
|---|-------|
| Rated insulation voltage $U_i$              | 690 V |
| Rated impulse withstand voltage             | 4 kV  |
| Rated operational voltage $U_e$ at AC 50 Hz | 24 V  |
| Rated operational voltage $U_e$ with DC     | 24 V  |

| Current                        |       |
|--------------------------------|-------|
| Thermal current limit $I_{th}$ | 0.3 A |
| Operating current              |       |
| • at AC-12 / at 12 V           | 0.3 A |
| • at AC-12 / at 24 V           | 0.3 A |

|                      |        |
|----------------------|--------|
| • at DC-12 / at 12 V | 0.1 A  |
| • at DC-12 / at 24 V | 0.1 A  |
| • at DC-13 / at 12 V | 0.07 A |
| • at DC-13 / at 24 V | 0.07 A |
| • at AC-15 / at 12 V | 0.3 A  |
| • at AC-15 / at 24 V | 0.3 A  |

### Mechanical Design

|   |               |
|---|---------------|
| Height  | 56 mm         |
| Width   | 7 mm          |
| Width / Note  | 1 slot (7 mm) |
| Depth   | 30 mm         |
| Net weight  | 30 g          |
| Tightening torque / with screw-type terminals / minimum | 0.4 N·m       |
| Tightening torque / with screw-type terminals / maximum | 0.5 N·m       |

### Connections according IEC

|  |       |
|--|-------|
| Wire stripping length  | 15 mm |
| AWG number / as coded connectable conductor cross section / for auxiliary contacts |       |
| • minimum  | 20    |
| • maximum  | 16    |

### Connections according UL

|  |            |
|--|------------|
| Wire stripping length [in]                                       | 0.6 in     |
| Tightening torque [lbf·in] / with screw-type terminals / minimum | 3.5 lbf·in |
| Tightening torque [lbf·in] / with screw-type terminals / maximum | 4.4 lbf·in |

### Certificates

|                          |     |                           |
|--------------------------|-----|---------------------------|
| General Product Approval | EMC | Declaration of Conformity |
|--------------------------|-----|---------------------------|



CCC



VDE

[Miscellaneous](#)



RCM



EG-Konf.

|                   |                   |       |  |
|-------------------|-------------------|-------|--|
| Test Certificates | Shipping Approval | other |  |
|-------------------|-------------------|-------|--|

[Type Test Certificates/Test Report](#)



LRS

[Manufacturer Declaration](#)

[Miscellaneous](#)

## Further information

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

<http://www.siemens.com/lowvoltage/catalogs>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA9988-0AB33>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9988-0AB33>

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

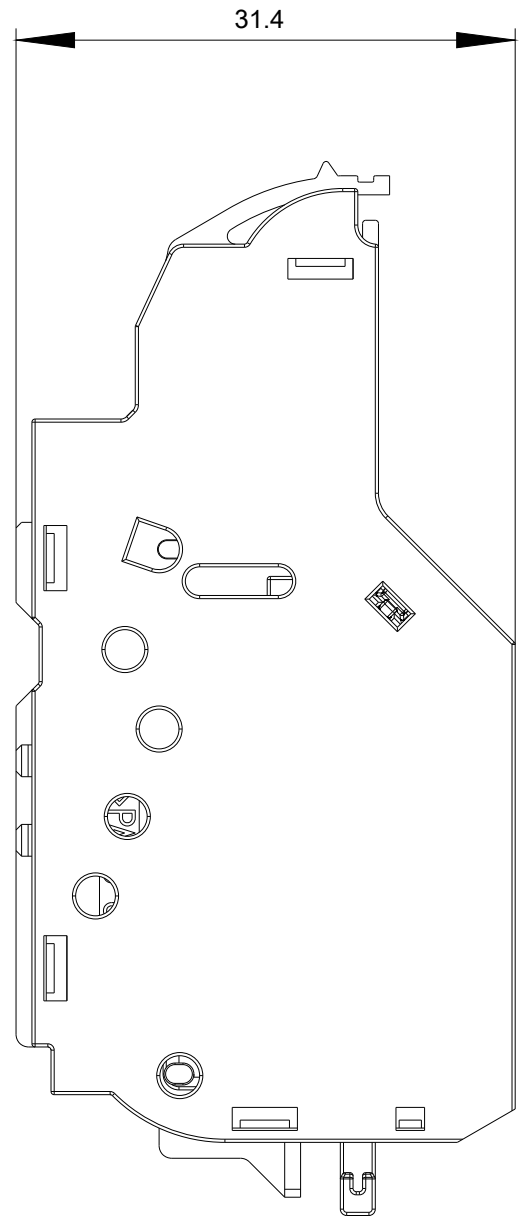
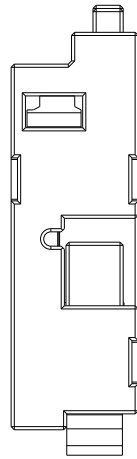
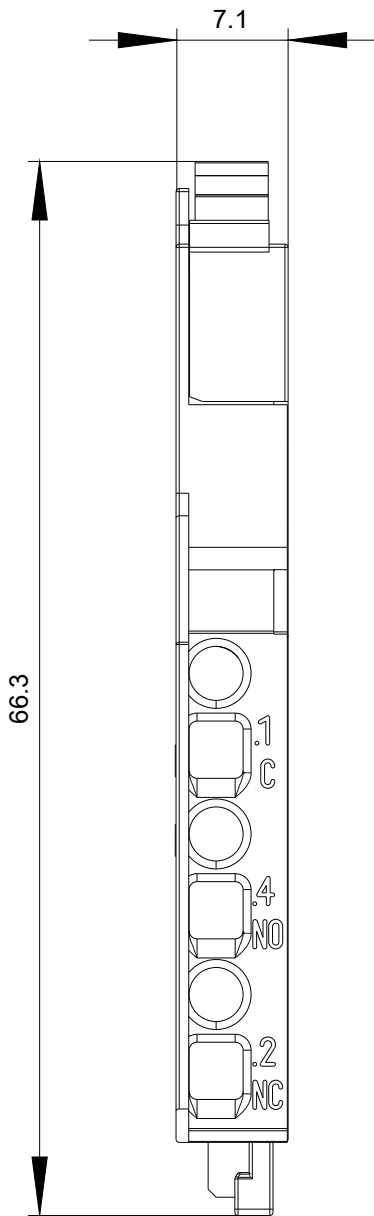
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA9988-0AB33](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9988-0AB33)

### CAX-Online-Generator

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

### Tender specifications

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



SAS

2.

4.

1.

last modified:

08/19/2020