

LEADING CHANGEOVER SWITCH CHANGEOVER CONTACTS  
TYPE HQ (7MM) ACCESSORY FOR 3VA1 and 3VA20 up to 3VA25



| Model               |                                      |
|---------------------|--------------------------------------|
| Product brand name  | SENTRON                              |
| Product designation | Leading auxiliary switch             |
| Product version     | Accessories for 3VA circuit breakers |
| Accessories         | Leading auxiliary switch             |

| General technical data                |       |
|---------------------------------------|-------|
| Degree of pollution                   | 3     |
| Overvoltage category                  | III   |
| Lead time / relating to main contacts | 20 ms |

| Voltage                                     |       |
|---|-------|
| Rated insulation voltage $U_i$              | 690 V |
| Rated impulse withstand voltage             | 4 kV  |
| Rated operational voltage $U_e$ at AC 50 Hz | 240 V |
| Rated operational voltage $U_e$ with DC     | 250 V |

| Current  |     |
|--|-----|
| Thermal current limit $I_{th}$                                       | 6 A |
| Operating current  | 6 A |
| <ul style="list-style-type: none"> <li>at AC-12 / at 12 V</li> </ul> | 6 A |

|                           |        |
|---------------------------|--------|
| • at AC-12 / at 24 V      | 6 A    |
| • at AC-12 / at 48 V      | 6 A    |
| • at AC-12 / at 125 V     | 6 A    |
| • at AC-12 / at 220/240 V | 6 A    |
| • at DC-12 / at 12 V      | 6 A    |
| • at DC-12 / at 24 V      | 4 A    |
| • at DC-12 / at 48 V      | 2 A    |
| • at DC-12 / at 110 V     | 0.5 A  |
| • at DC-12 / at 250 V     | 0.25 A |
| • at DC-13 / at 12 V      | 1 A    |
| • at DC-13 / at 24 V      | 0.8 A  |
| • at DC-13 / at 48 V      | 0.4 A  |
| • at DC-13 / at 110 V     | 0.2 A  |
| • at DC-13 / at 250 V     | 0.1 A  |
| • at AC-15 / at 12 V      | 3 A    |
| • at AC-15 / at 24 V      | 3 A    |
| • at AC-15 / at 48 V      | 3 A    |
| • at AC-15 / at 125 V     | 3 A    |
| • at AC-15 / at 220/240 V | 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



CCC



VDE

[KC](#)

[Miscellaneous](#)



RCM

Declaration of  
Conformity

Test Certifi-  
cates

Shipping Ap-  
proval

other



EG-Konf.

[Type Test Certifi-  
cates/Test Report](#)



LRS

[Manufacturer De-  
claration](#)

[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=3VA9988-0AA22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9988-0AA22>

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

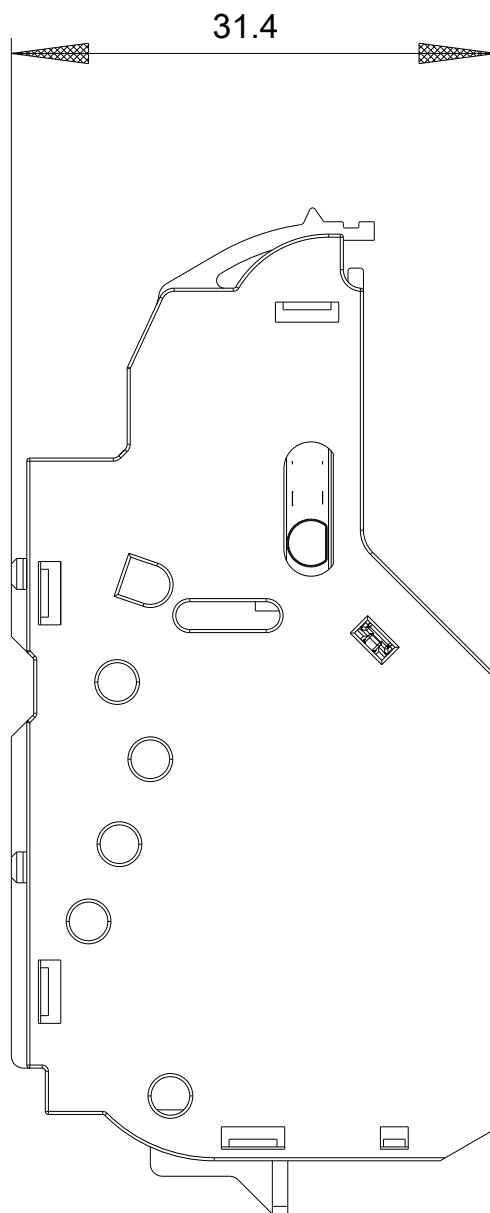
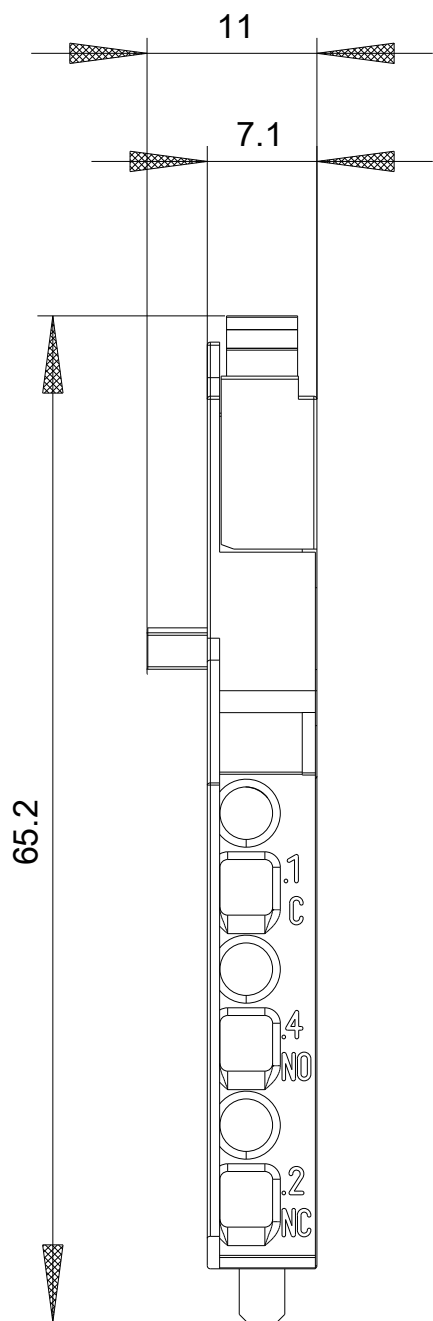
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA9988-0AA22](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9988-0AA22)

**CAX-Online-Generator**

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

**Tender specifications**

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



LCS

2.

4.

1.

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