

electrical alarm switch changeover contacts type HQ (7mm)  
accessory for: 3VA6



| Model                                          |                                      |
|------------------------------------------------|--------------------------------------|
| Product brand name                             | SETRON                               |
| Product designation                            | Electrical alarm switch              |
| Product version                                | Accessories for 3VA circuit breakers |
| Accessories                                    | Electrical alarm 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                                 |
| Operating voltage / at AC / acc. to CSA and UL | 300 V                                |
| Operating voltage / at DC / acc. to CSA and UL | 250 V                                |
| 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                              |                                      |

|                       |        |
|-----------------------|--------|
| • at AC-12 / at 12 V  | 6 A    |
| • at AC-12 / at 24 V  | 6 A    |
| • at AC-12 / at 48 V  | 6 A    |
| • at AC-12 / at 110 V | 6 A    |
| • at AC-12 / at 230 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 230 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 220 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 110 V | 3 A    |
| • at AC-15 / at 230 V | 3 A    |

#### Mechanical Design

|                                                         |               |
|---------------------------------------------------------|---------------|
| Width / Note                                            | 1 slot (7 mm) |
| 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



CCC



UL



VDE

[KC](#)

[Miscellaneous](#)



| EMC | Declaration of Conformity | Shipping Approval | other |  |
|-----|---------------------------|-------------------|-------|--|
|-----|---------------------------|-------------------|-------|--|



RCM



EG-Konf.



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=3VA9978-0AB22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9978-0AB22>

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

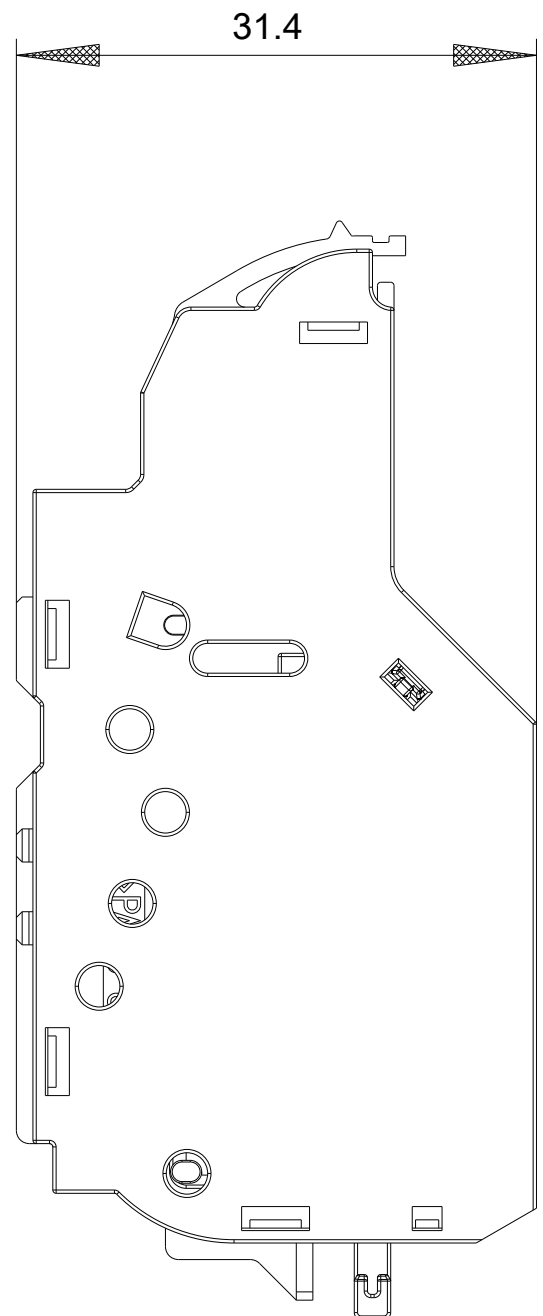
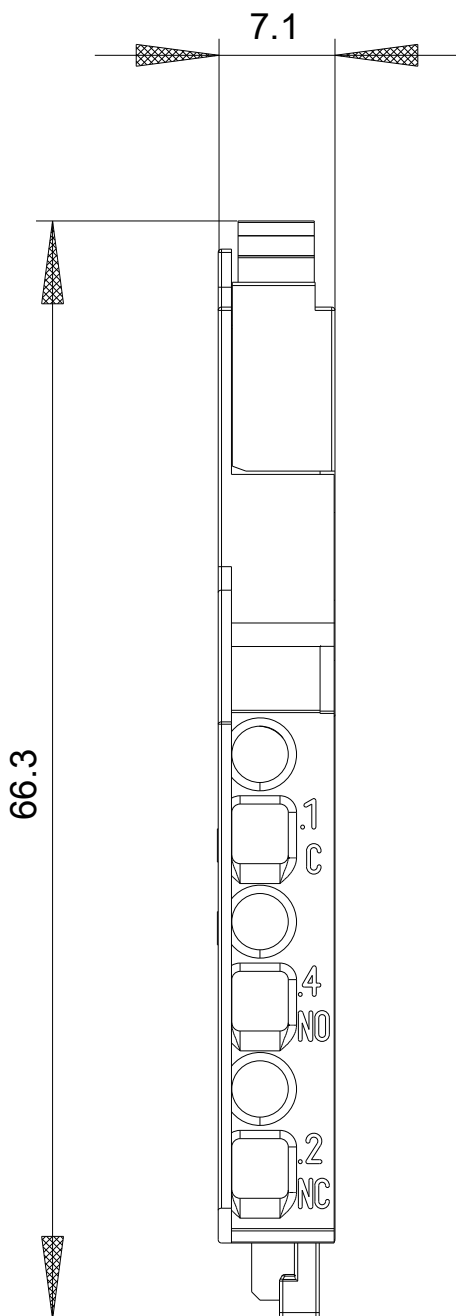
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA9978-0AB22](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9978-0AB22)

**CAX-Online-Generator**

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

**Tender specifications**

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



2.

4.

EAS

1.

last modified:

05/09/2020