

auxiliary switch changeover contacts type HQ (7mm) accessory for:
3VA4/5/6



| Model | |
|--|--------------------------------------|
| Product brand name | SETRON |
| Product designation | auxiliary switch |
| Product version | Accessories for 3VA circuit breakers |
| Accessories | Auxiliary 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=3VA9978-0AA12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9978-0AA12>

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

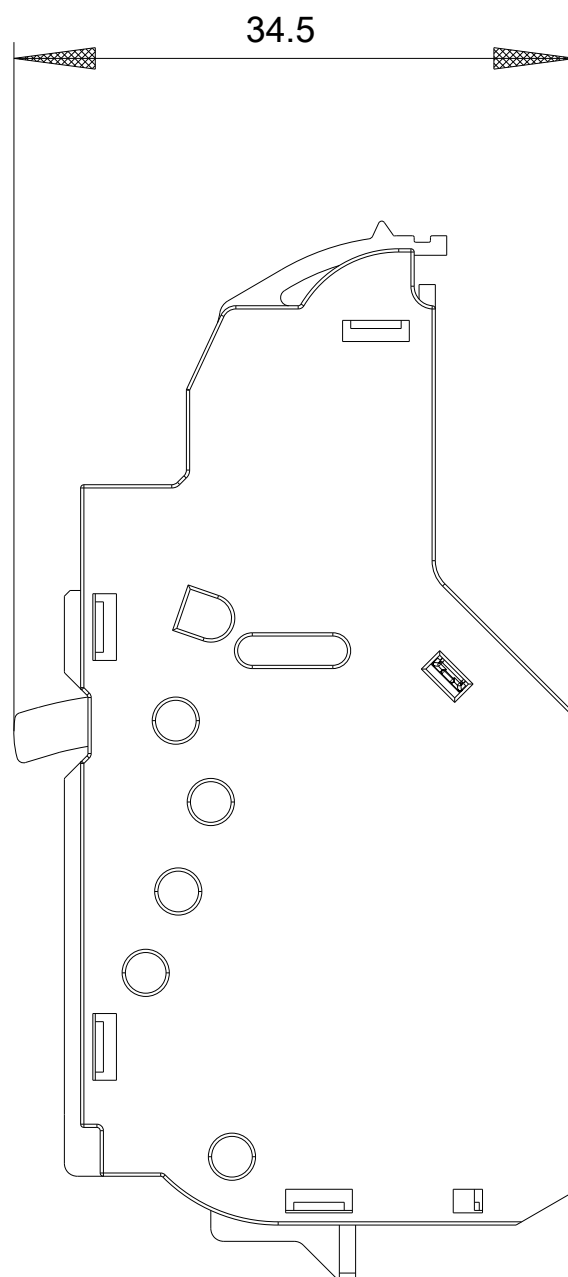
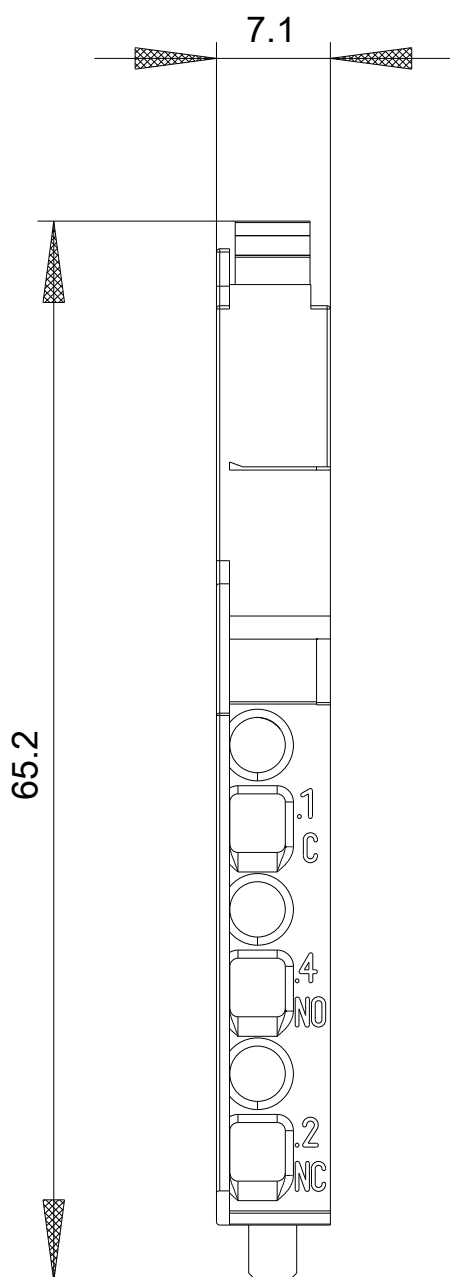
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9978-0AA12

CAX-Online-Generator

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

Tender specifications

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



AUX

2.

4.

1.

last modified:

05/06/2020