



SWITCH DISCONNECTOR 3VA1 IEC FRAME 160 4-POLE SD100, IN=160A WITHOUT OVERLOAD PROTECTION WITHOUT SHORT CIRCUIT PROT. BUSBAR CONNECTION SHUNT TRIP (STL) 110-127 V DC, AC 50/60 HZ 2 AUXILIARY SWITCH HQ 1 TRIP ALARM SWITCH HQ

| Model                           |                                               |
|---------------------------------|-----------------------------------------------|
| product brandname               | SETRON                                        |
| Product designation             | Switch disconnecter                           |
| Design of the product           | in MCCB design                                |
| Number of poles                 | 4                                             |
| Design of the auxiliary release | Shunt trip (STL)                              |
| Design of the auxiliary switch  | 2 auxiliary switches + 1 trip alarm switch HQ |

| General technical data                                                                           |         |
|--------------------------------------------------------------------------------------------------|---------|
| Tension assignée d'isolement Ui                                                                  | 800 V   |
| Max. rated operational voltage Ue with AC 50/60Hz                                                | 690 V   |
| Max. rated operational voltage Ue with DC                                                        | 600 V   |
| Active power loss / for rated value of the current / at AC / in hot operating state / per device | 38 W    |
| Mechanical service life (switching cycles) / typical                                             | 15 000  |
| Product function                                                                                 |         |
| • communication function                                                                         | No      |
| Net weight                                                                                       | 1 380 g |

Electricity

|                              |       |
|------------------------------|-------|
| Courant permanent assigné lu | 160 A |
|------------------------------|-------|

## Mechanical Design

|        |          |
|--------|----------|
| Height | 130 mm   |
| Width  | 101.6 mm |
| Depth  | 70 mm    |

## Connections

|                                                                 |                   |
|-----------------------------------------------------------------|-------------------|
| Arrangement of electrical connectors / for main current circuit | Front terminal    |
| Type of electrical connection / for main current circuit        | busbar connection |

## Auxiliary circuit

|                                                |     |
|------------------------------------------------|-----|
| Product component                              |     |
| • undervoltage release                         | No  |
| • Voltage trigger                              | Yes |
| • undervoltage release with leading contact    | No  |
| • Trip indicator                               | Yes |
| Number of CO contacts / for auxiliary contacts | 3   |

## Accessories

|                                            |     |
|--------------------------------------------|-----|
| Product extension / optional / motor drive | Yes |
|--------------------------------------------|-----|

## Environmental conditions

|                                    |        |
|------------------------------------|--------|
| Protection class IP / on the front | IP40   |
| Ambient temperature                |        |
| • during operation / minimum       | -25 °C |
| • during operation / maximum       | 70 °C  |
| • during storage / minimum         | -40 °C |
| • during storage / maximum         | 80 °C  |

## Certificates

|                                            |   |
|--------------------------------------------|---|
| Equipment marking / acc. to DIN EN 81346-2 | Q |
|--------------------------------------------|---|

| General Product Approval | EMC | Declaration of Conformity | Test Certificates | Shipping Approval |
|--------------------------|-----|---------------------------|-------------------|-------------------|
|--------------------------|-----|---------------------------|-------------------|-------------------|



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| Shipping Approval | other |
|-------------------|-------|
|-------------------|-------|



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#### Further information

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

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

### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA1116-1AA42-0JH0>

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

<http://support.automation.siemens.com/WW/view/en/3VA1116-1AA42-0JH0/all>

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

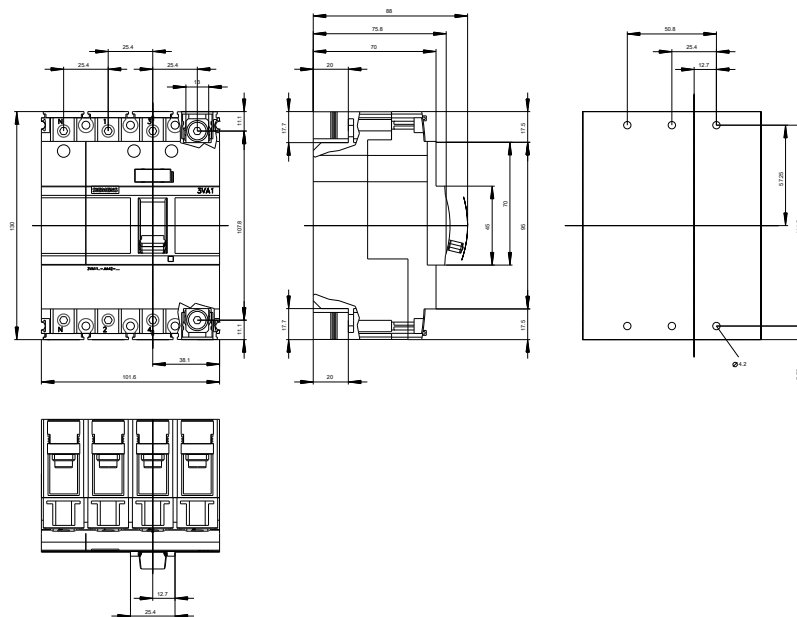
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA1116-1AA42-0JH0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1116-1AA42-0JH0)

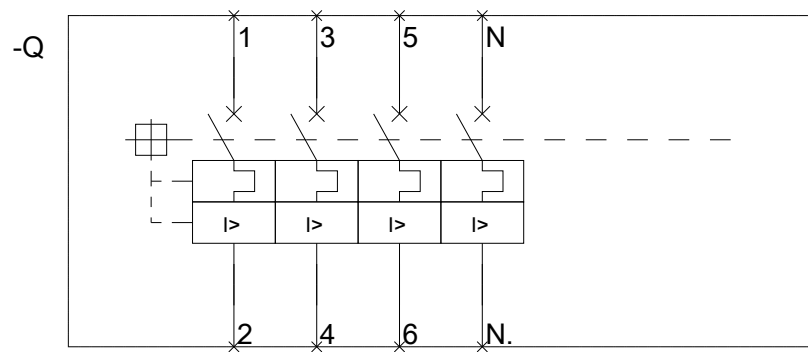
## CAX-Online-Generator

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

## Tender specifications

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





last modified:

10/24/2016