

switch disconnecter 3VA1 IEC frame 160 3-pole SD100, In=125A
without overload protection w/o short-circuit protection nut keeper kit



| Model | |
|--|---------------------|
| Product brand name | SENTRON |
| Product designation | Switch disconnecter |
| Product version | in MCCB design |
| Number of poles | 3 |
| Design of the auxiliary release | without |
| Auxiliary contact version | Without |
| General technical data | |
| Rated insulation voltage U_i | 800 V |
| Max. rated operational voltage U_e with AC 50/60Hz | 690 V |
| Max. rated operational voltage U_e with DC | 500 V |
| Power loss [W] / maximum | 38 W |
| Mechanical service life (switching cycles) / typical | 15 000 |
| Product function | |
| • communication function | No |
| Net weight | 800 g |
| Current | |
| Rated continuous current I_u | 125 A |

| | |
|--|---|
| Short-time withstand current (I _{cw}) | |
| <ul style="list-style-type: none"> • limited to 1 s | 2 kA |
| Operating current | |
| <ul style="list-style-type: none"> • at 40 °C • at 45 °C • at 50 °C • at 55 °C • at 60 °C • at 65 °C • at 70 °C | 125 A 125 A 125 A 125 A 125 A 125 A 125 A |

Mechanical Design

| | |
|--------|---------|
| Height | 130 mm |
| Width | 76.2 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 | |
| <ul style="list-style-type: none"> • undervoltage release • Voltage trigger • undervoltage release with leading contact • Trip indicator | No No No No |
| Number of CO contacts / for auxiliary contacts | 0 |

Accessories

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

Environmental conditions

| | |
|--|------------------------------------|
| Protection class IP / on the front | IP40 |
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum | -25 °C 70 °C -40 °C 80 °C |

Certificates

| | |
|---|---|
| Reference code / acc. to DIN EN 81346-2 | Q |
|---|---|

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



CCC



VDE

[Miscellaneous](#)



RCM



EG-Konf.

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

[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



ABS



BUREAU VERITAS



LRS

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



RMRS

[CCS / China Classification Society](#)

[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=3VA1112-1AA32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1112-1AA32-0AA0>

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

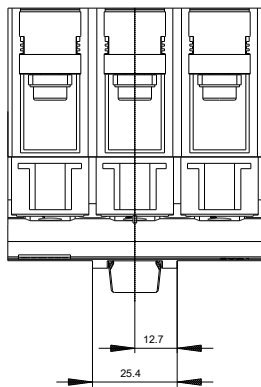
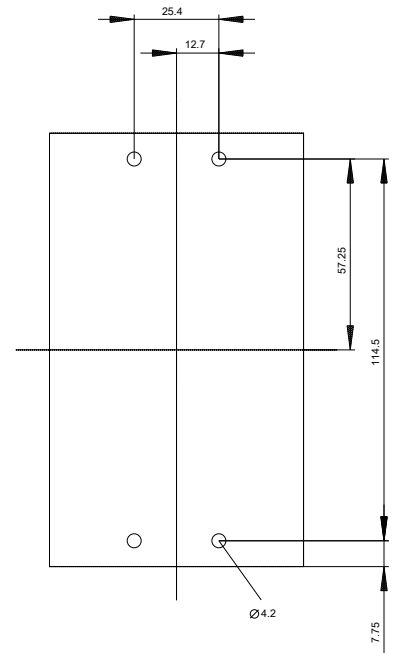
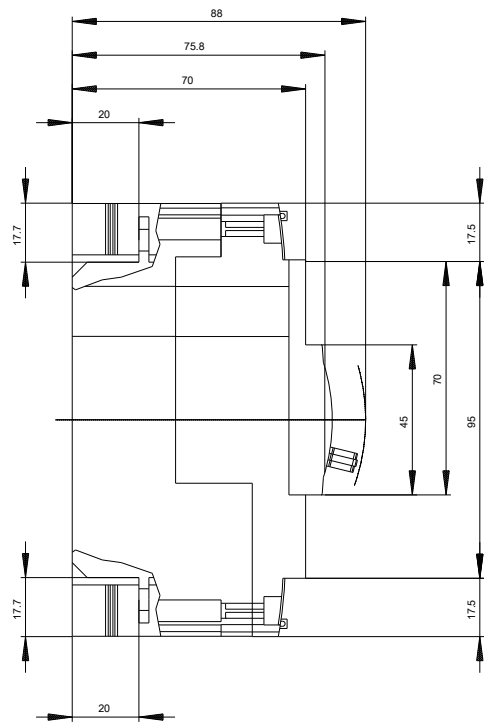
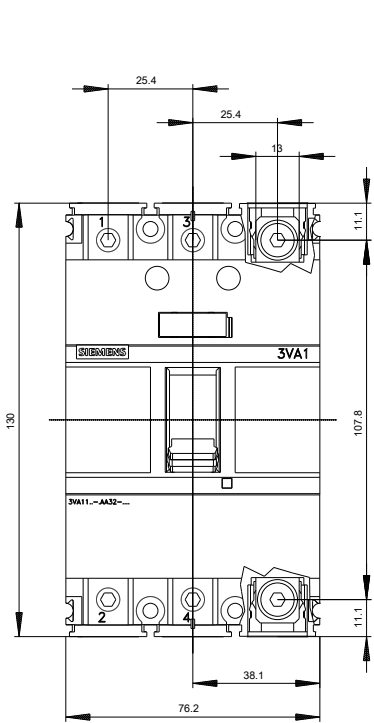
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1112-1AA32-0AA0

CAX-Online-Generator

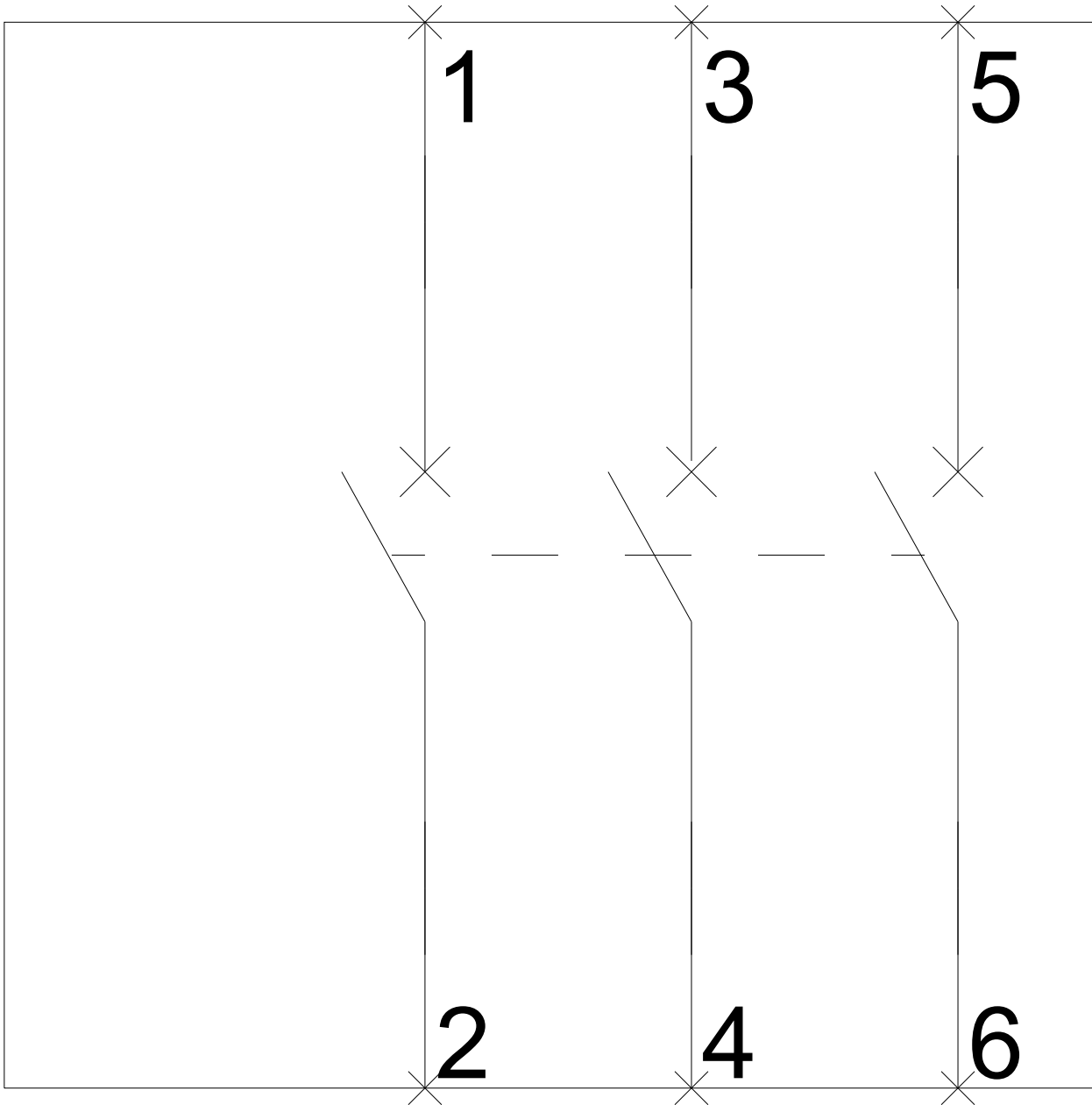
<http://www.siemens.com/cax>

Tender specifications

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



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