



switch disconnecter 3VA1 IEC frame 160 4-pole SD100, In=160A without overload protection w/o short-circuit protection nut keeper kit

| Model | |
|---|---------------------|
| product brand name | SENTRON |
| product designation | Switch disconnecter |
| design of the product | in MCCB design |
| number of poles | 4 |
| design of the auxiliary release | without |
| design of the auxiliary switch | Without |
| General technical data | |
| insulation voltage / rated value | 800 V |
| operating voltage / at DC / rated value | 600 V |
| operating voltage / at AC / rated value | 690 V |
| power loss [W] / maximum | 38 W |
| mechanical service life (operating cycles) / typical | 15 000 |
| product function / communication function | No |
| Net Weight | 1.154 kg |
| Current | |
| operational current | |
| • at 40 °C | 160 A |
| • at 45 °C | 160 A |
| • at 50 °C | 160 A |
| • at 55 °C | 158 A |
| • at 60 °C | 155 A |
| • at 65 °C | 153 A |
| • at 70 °C | 150 A |
| Mechanical Design | |
| product component | |
| • undervoltage release | No |
| • voltage trigger | No |
| • undervoltage release with leading contact | No |
| • trip indicator | No |
| 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 |
| design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) | silver |
| design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) | Tin |

| | | |
|--|--------|------------|
| Auxiliary circuit | | |
| 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 | | |
| • during operation / minimum | -25 °C | |
| • during operation / maximum | 70 °C | |
| • during storage / minimum | -40 °C | |
| • during storage / maximum | 80 °C | |
| Certificates | | |
| reference code / according to IEC 81346-2 | Q | |
| General Product Approval | | EMC |



[Confirmation](#)



[Miscellaneous](#)



| | | | | |
|----------------------------------|--|--------------------------|--------------------------|--|
| Declaration of Conformity | | Test Certificates | Marine / Shipping | |
| | | | | |

| | | | | | |
|--------------------------|--|--|--|------------------------------|-------------------------------|
| Marine / Shipping | | | other | | |
| | | | CCS / China Classification Society | Confirmation | Miscellaneous |

| | |
|-------------------------------|---|
| other | Environment |
| Miscellaneous | Environmental Confirmations |

Further information

Siemens has decided to exit the Russian market (see here).
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/lowvoltage/catalogs>

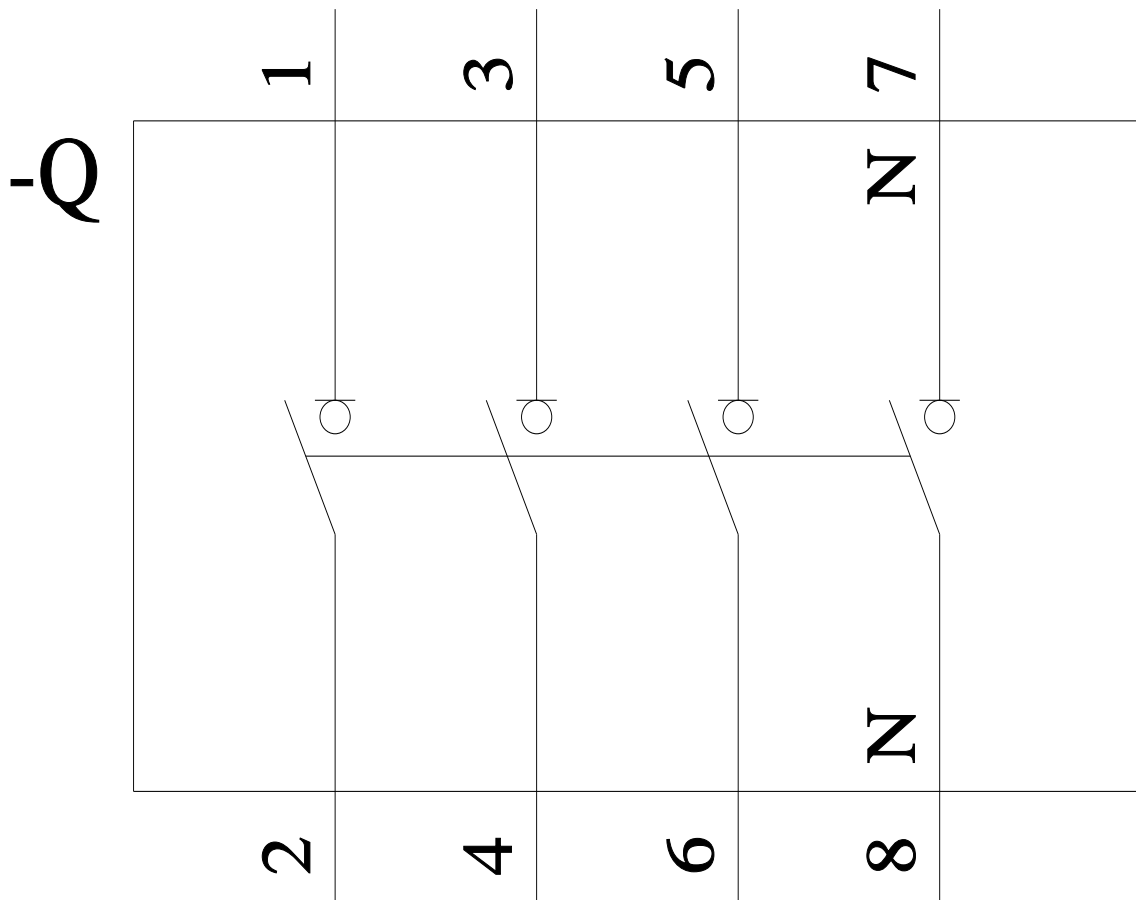
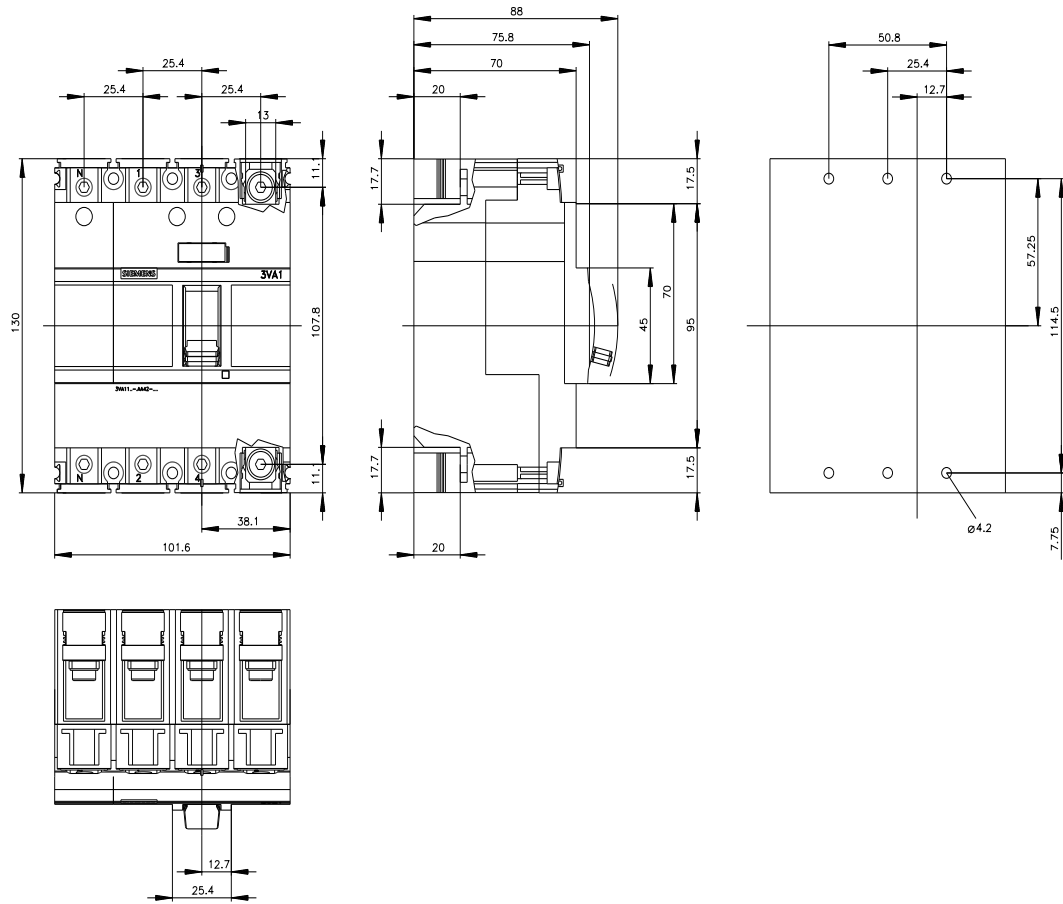
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1116-1AA42-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3VA1116-1AA42-0AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1116-1AA42-0AA0

CAX-Online-Generator
<http://www.siemens.com/cax>

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



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