



molded case switch 3VA6 UL frame 600 max. sh-circ breaking capacity 100kA @ 480 V 3-pole, line protection MCS110, In=600A without overload protection self-protection li=9 x In nut keeper kit on both sides

| Model | |
|--|-----------------------------|
| product brand name | SENTRON |
| product designation | Molded-case circuit breaker |
| product designation / according to UL file | CLAE |
| design of the product | Molded case switch |
| design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type) | Yes |
| design of the overcurrent release | MCS110 |
| protection function of the overcurrent release | I |
| number of poles | 3 |
| General technical data | |
| insulation voltage / rated value | 800 V |
| operating voltage / at AC / rated value | 690 V |
| power loss [W] / maximum | 151 W |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 50.33 W |
| mechanical service life (operating cycles) / typical | 20 000 |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V | 4 000 |
| electrical endurance (operating cycles) / at AC-1 / at 690 V | 3 500 |
| electrical endurance (operating cycles) / at 480 V | 4 000 |
| electrical endurance (operating cycles) / at 600 V | 3 500 |
| product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof | No |
| ground-fault monitoring version | without |
| product function | |
| • communication function | No |
| • other measurement function | No |
| Net Weight | 5.596 kg |
| Current | |
| marking / according to UL 489 / 100%-rated breaker | No |
| operational current | |
| • at 40 °C | 600 A |
| • at 45 °C | 600 A |
| • at 50 °C | 593 A |
| • at 55 °C | 540 A |
| • at 60 °C | 510 A |
| • at 65 °C | 480 A |
| • at 70 °C | 450 A |
| Adjustable parameters | |
| adjustable current response value current / of instantaneous short-circuit trip unit | |

| | | | |
|---|--|-----------------------------|--------------------------------|
| <ul style="list-style-type: none">• minimum• maximum | | 5 400 A | |
| product function / grounding protection | | No | |
| Mechanical Design | | | |
| product component | | | |
| <ul style="list-style-type: none">• undervoltage release | | No | |
| <ul style="list-style-type: none">• voltage trigger | | No | |
| <ul style="list-style-type: none">• trip indicator | | No | |
| height [in] | | 9.76 in | |
| height | | 248 mm | |
| width [in] | | 5.43 in | |
| width | | 138 mm | |
| depth [in] | | 4.33 in | |
| depth | | 110 mm | |
| Connections | | | |
| arrangement of electrical connectors / for main current circuit | | Front connection | |
| type of electrical connection / for main current circuit | | nut keeper kit on both ends | |
| type of connectable conductor cross-sections / for flat-bar terminal connection / minimum | | 20 x 1 mm | |
| type of connectable conductor cross-sections / for flat-bar terminal connection / maximum | | 35 x 10 mm | |
| 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 | | | |
| <ul style="list-style-type: none">• during operation / minimum | | -25 °C | |
| <ul style="list-style-type: none">• during operation / maximum | | 70 °C | |
| <ul style="list-style-type: none">• during storage / minimum | | -40 °C | |
| <ul style="list-style-type: none">• during storage / maximum | | 80 °C | |
| Certificates | | | |
| reference code / according to IEC 81346-2 | | Q | |
| certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB | | Yes | |
| General Product Approval | | EMC | Declaration of Con- formity |

Confirmation

Miscellaneous

UK
CA

| | | | |
|---------------------------|-------------------|-------|----------------|
| Declaration of Conformity | Marine / Shipping | other | Dangerous Good |
|---------------------------|-------------------|-------|----------------|



Miscellaneous

Further information

Siemens has decided to exit the Russian market (see here).

Siemens is working on the renewal of the current EAC certificates.

Information on the packaging

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

Industry Mall (Online ordering system)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA6460-1BB32-0AA0>

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

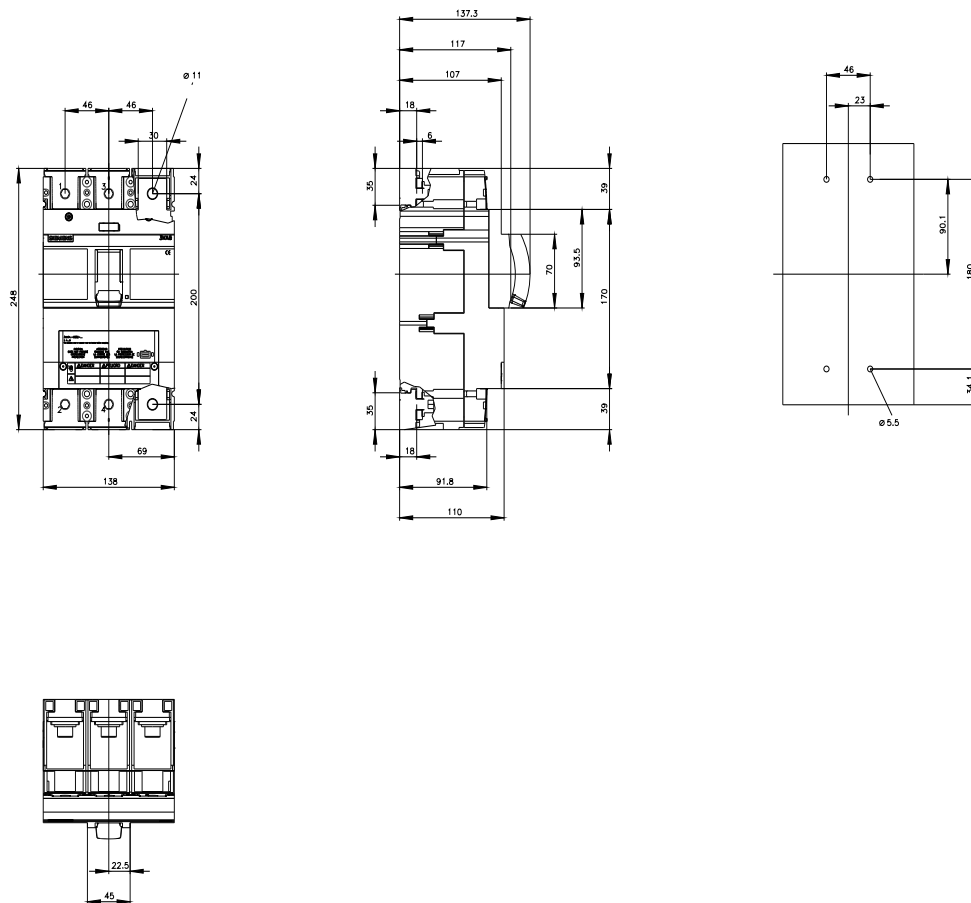
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6460-1BB32-0AA0

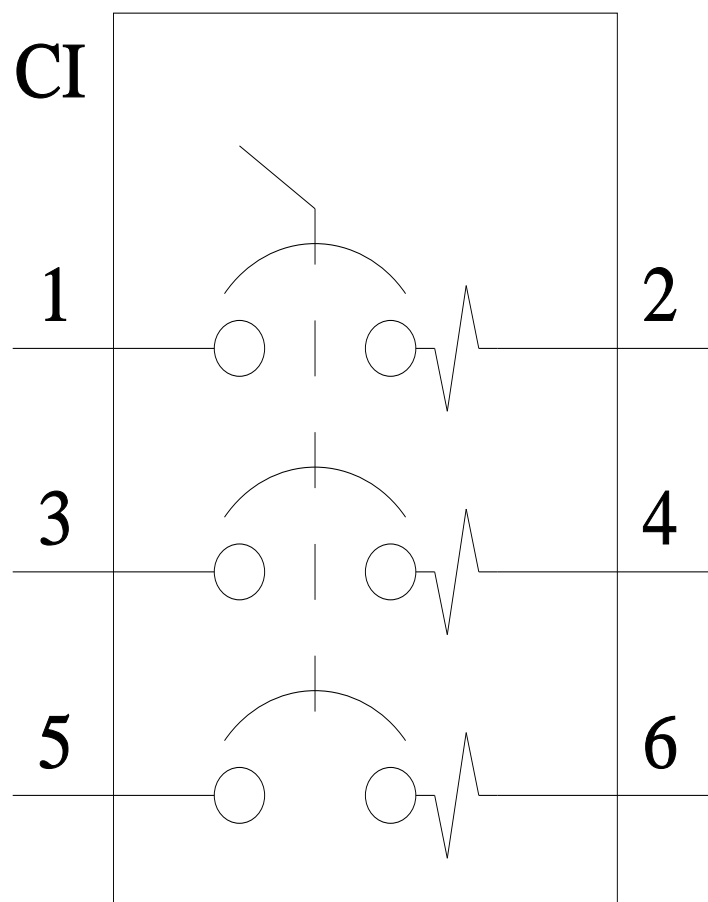
CAX-Online-Generator

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

Tender specifications

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





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[3VA64601BB320AA0](#)