

CIRCUIT BREAKER 3VA6 UL FRAME 150 BREAKING CAPACITY CLASS M 35KA @ 480 V 3-POLE, LINE PROTECTION ETU350, LSI, IN=150A OVERLOAD PROTECTION IR=60A ...150A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=10 X IN W/O CONNECTION



| Model | |
|--|---------|
| product brandname | SENTRON |
| Type of load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type) | Yes |
| Number of poles | 3 |
| General technical data | |
| Tension assignée d'isolement Ui | 600 V |
| Max. rated operational voltage Ue with AC 50/60Hz | 600 V |
| Active power loss / for rated value of the current / at AC / in hot operating state / per device | 29 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 9.67 W |
| Mechanical service life (switching cycles) / typical | 20 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz | 9 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz | 5 000 |
| Electrical lifetime (switching cycles) / at 480 V / at 50/60 Hz | 9 000 |

| | |
|---|-------|
| Electrical lifetime (switching cycles) / at 600 V / at 50/60 Hz | 9 000 |
| Neutral conductors / upgradeable/retrofitable | No |
| Product function | |
| • communication function | No |
| • other measurement function | No |

Electricity

| | |
|---|---------|
| Marking / according to UL 489 / 100%-rated breaker | Yes |
| Max. rated operational voltage of the size of the circuit-breaker | 150 A |
| Courant permanent assigné lu | 150 A |
| Operating current | |
| • at 40 °C | 150 A |
| • at 45 °C | 150 A |
| • at 50 °C | 150 A |
| • at 55 °C | 150 A |
| • at 60 °C | 142.5 A |
| • at 65 °C | 150 A |
| • at 70 °C | 150 A |

Switching capacity according to IEC 60947

| | |
|---|--------|
| Maximum short-circuit current breaking capacity (Icu) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 690 V | 2.5 kA |
| Operational short-circuit current breaking capacity (Ics) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 690 V | 2.5 kA |
| Short-circuit current making capacity (Icm) | |
| • at 240 V | 187 kA |
| • at 415 V | 121 kA |
| • at 690 V | 3.8 kA |

Switching capacity according to UL 489

| | |
|---------------------------|--------|
| Breaking capacity current | |
| • at 240 V | 100 kA |
| • at 480 Y/277 V | 35 kA |
| • at 480 V | 35 kA |
| • at 600 Y/347 V | 18 kA |
| • at 600 V | 18 kA |

Adjustable parameters

| | |
|---|---------|
| Adjustable response value current / I _g min. | 60 A |
| Adjustable response value current / I _g min. | 150 A |
| Adjustable response value current / I _g min. | 225 A |
| Adjustable response value current / I _g min. | 1 500 A |
| Adjustable response value current / I _g min. | 0.02 s |
| Adjustable response value current / I _g min. | 0.4 s |
| Adjustable response value current / I _i min. | 1 500 A |
| Adjustable response value current / I _i max. | 1 500 A |
| Ground fault protection / tripping switchable / I _{2t} =ON/OFF | No |

Mechanical Design

| | |
|-------------|--------|
| Height [in] | 7.8 in |
| Height | 198 mm |
| Width [in] | 4.1 in |
| Width | 105 mm |
| Depth [in] | 3.4 in |
| Depth | 86 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 | |
| • 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 |
| Certificate of suitability / as approval for NAVAL (no combat vessels) / Supplement SB | No |

| | | | |
|---------------------------------|------------|----------------------------------|--------------|
| General Product Approval | EMC | Declaration of Conformity | 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/3VA6115-5HN31-2AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VA6115-5HN31-2AA0/all>

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

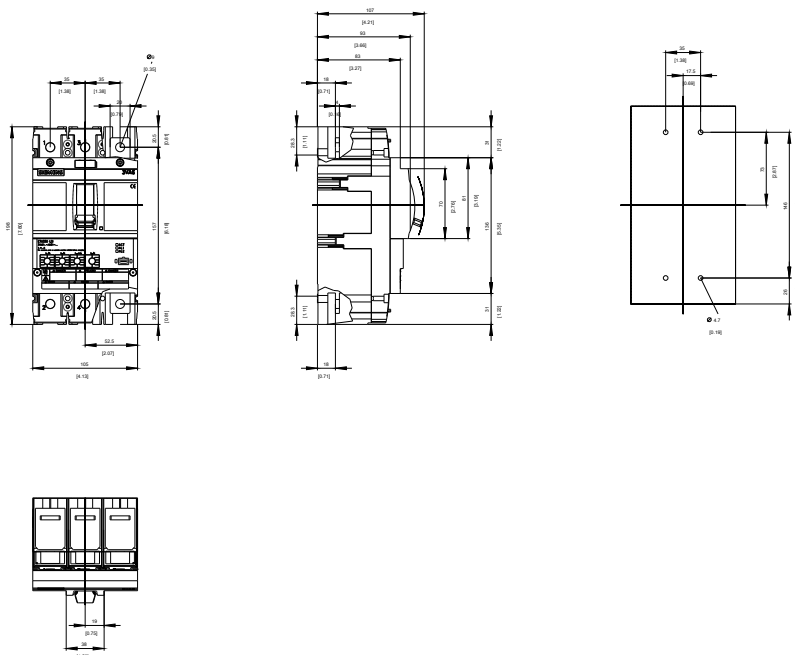
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA6115-5HN31-2AA0

CAX-Online-Generator

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

Tender specifications

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



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