



circuit breaker 3VA2 IEC frame 100 breaking capacity class L Icu=150kA @ 415V 3-pole, line protection ETU560, LSIG, In=40A overload protection Ir=16A...40A short-circuit protection Isd=0.6..10x In, li=1.5..12x In N conductor protection optionally with external current transformer, up to 160% gr.-fault prot., can be sw. off Ig=0.4... 1 x In, tg=0.05-0.8s clamp connection

| Model | |
|--|---|
| product brand name | SETRON |
| product designation | Molded case circuit breaker |
| Product version | Line protection |
| design of the overcurrent release | ETU560 |
| protection function of the overcurrent release | LSIG |
| number of poles | 3 |
| General technical data | |
| Tension assignée d'isolement Ui | 800 V |
| power loss [W] / maximum | 1.2 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 0.4 W |
| mechanical service life (switching cycles) / typical | 20 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz | 14 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz | 8 000 |
| Neutral conductors / upgradeable/retrofitable | Yes |
| ground-fault monitoring version | Summation current formation L-conductor |
| product function | |
| • communication function | Yes |
| • other measurement function | No |
| net weight | 2.44 kg |
| Current | |
| operational current | |
| • at 40 °C | 40 A |
| • at 45 °C | 40 A |
| • at 50 °C | 40 A |
| • at 55 °C | 40 A |
| • at 60 °C | 40 A |
| • at 65 °C | 40 A |
| • at 70 °C | 40 A |
| Switching capacity according to IEC 60947 | |
| switching capacity class of the circuit breaker | L |
| breaking capacity maximum short-circuit current (Icu) | |
| • at 240 V | 200 kA |
| • at 415 V | 150 kA |
| • at 440 V | 150 kA |

| | |
|--|---|
| <ul style="list-style-type: none"> • at 500 V • at 690 V | 100 kA 25 kA |
| breaking capacity operating short-circuit current (Ics) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V | 200 kA 150 kA 150 kA 100 kA 18 kA |
| short-circuit current making capacity (Icm) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V | 440 kA 330 kA 330 kA 220 kA 53 kA |
| Adjustable parameters | |
| Adjustable response value current / I _g min. | 16 A |
| Adjustable response value current / I _g min. | 40 A |
| Adjustable response value current / I _g min. | 0.5 |
| Adjustable response value current / I _g min. | 25 |
| Adjustable response value current / I _g min. | 24 A |
| Adjustable response value current / I _g min. | 400 A |
| Adjustable response value current / I _g min. | 0.05 s |
| Adjustable response value current / I _g min. | 0.5 s |
| Adjustable response value current / I _g min. | 0.05 s |
| Adjustable response value current / I _g min. | 0.5 s |
| Adjustable response value current / I _i min. | 60 A |
| Adjustable response value current / I _i max. | 480 A |
| Ground fault protection / tripping switchable / I _{2t} =ON/OFF | Yes |
| Adjustable response value current / I _g min. | 16 A |
| Adjustable response value current / I _g max. | 40 A |
| Adjustable response value current / t _g min. | 0.05 s |
| Adjustable response value current / I _g min. | 0.8 s |
| Adjustable response value current / for G-tripping / with I _{2t} characteristic / min. | 0.4 A |
| Adjustable response value current / for G-tripping / with I _{2t} characteristic / max. | 1 A |
| Mechanical Design | |
| height [in] | 7.1 in |
| Height | 181 mm |
| width [in] | 4.1 in |
| Width | 105 mm |
| depth [in] | 3.4 in |
| depth | 86 mm |
| Connections | |
| arrangement of electrical connectors / for main current circuit | Front terminal |
| type of electrical connection / for main current circuit | double-sided box terminal |
| Type of connectable conductor cross-section, round conductor terminal, stranded | 1 x (6-120 mm ²) |
| 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 • during operation / maximum | -25 °C 70 °C |

- during storage / minimum
- during storage / maximum

-40 °C
80 °C

Certificates

reference code / acc. to IEC 81346-2

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General Product Approval

EMC



[Miscellaneous](#)



Declaration of Conformity

Test Certificates

Shipping Approval



EG-Konf.

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Miscellaneous](#)



ABS



BUREAU VERITAS

Shipping Approval

other



LRS



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=3VA2040-8JQ36-0AA0>

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

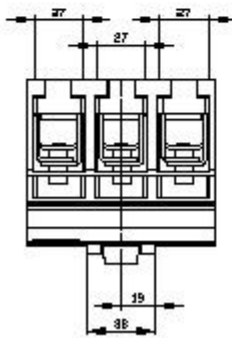
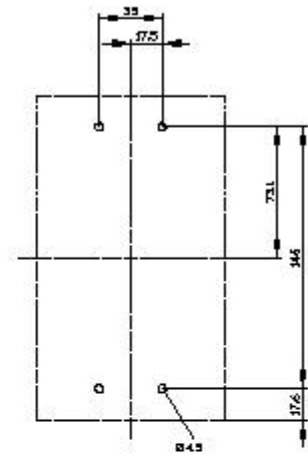
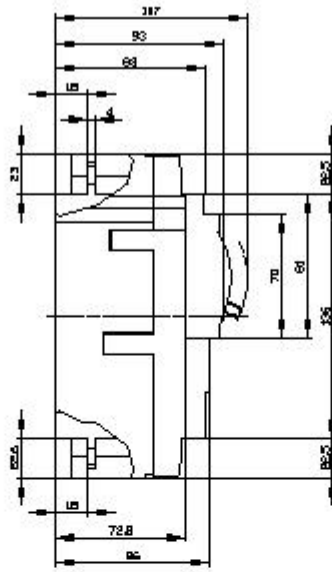
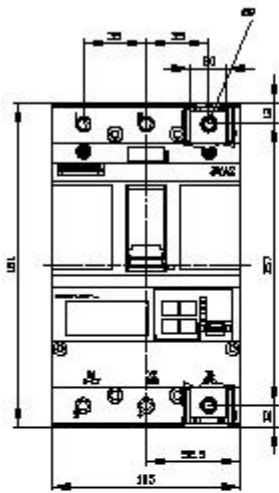
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2040-8JQ36-0AA0>

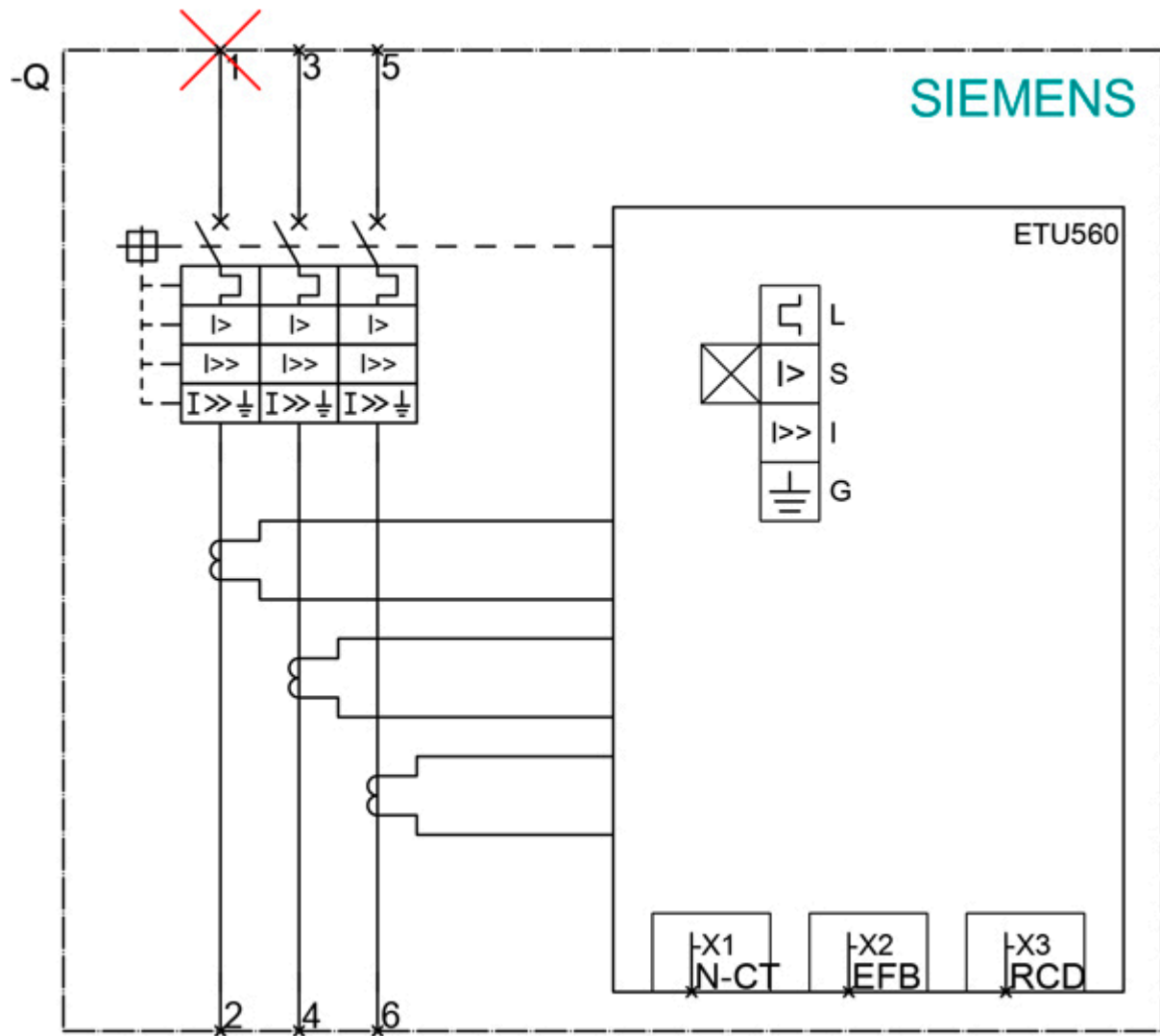
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2040-8JQ36-0AA0

Tender specifications

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





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