



circuit breaker 3VA2 IEC frame 400 breaking capacity class H Icu=85kA @ 415V 4-pole, line protection ETU860, LSIG, In=250A overload protection Ir=100A...250A short-circuit protection Isd=0.6..10x In, li=1.5..12x In N conductor protection adjustable (OFF, up to 160%) gr.-fault prot., can be sw. off Ig=0.2...1 x In= tg=0.05-0.8s nut keeper kit

| Model | |
|--|---|
| product brand name | SENTRON |
| product designation | Molded case circuit breaker |
| Product version | Line protection |
| design of the overcurrent release | ETU860 |
| protection function of the overcurrent release | LSIG |
| number of poles | 4 |
| General technical data | |
| Tension assignée d'isolement Ui | 800 V |
| power loss [W] / maximum | 37.5 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 12.5 W |
| mechanical service life (switching cycles) / typical | 20 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz | 6 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz | 5 000 |
| Neutral conductors / upgradeable/retrofitable | No |
| ground-fault monitoring version | Summation current formation L + N conductor |
| product function | |
| • communication function | Yes |
| • other measurement function | Yes |
| net weight | 5.7 kg |
| Current | |
| operational current | |
| • at 40 °C | 250 A |
| • at 45 °C | 250 A |
| • at 50 °C | 250 A |
| • at 55 °C | 242.5 A |
| • at 60 °C | 237.5 A |
| • at 65 °C | 230 A |
| • at 70 °C | 220 A |
| Switching capacity according to IEC 60947 | |
| switching capacity class of the circuit breaker | H |
| breaking capacity maximum short-circuit current (Icu) | |
| • at 240 V | 110 kA |
| • at 415 V | 85 kA |
| • at 440 V | 85 kA |

| | |
|--|---|
| <ul style="list-style-type: none"> • at 500 V • at 690 V | 55 kA 5 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 | 110 kA 85 kA 85 kA 55 kA 5 kA |
| short-circuit current making capacity (Icm) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 690 V | 242 kA 187 kA 7.5 kA |

Adjustable parameters

| | |
|---|---------|
| Adjustable response value current / I _g min. | 100 A |
| Adjustable response value current / I _g min. | 250 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. | 150 A |
| Adjustable response value current / I _g min. | 2 500 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. | 375 A |
| Adjustable response value current / I _i max. | 3 000 A |
| Ground fault protection / tripping switchable / I _{2t} =ON/OFF | Yes |
| Adjustable response value current / I _g min. | 50 A |
| Adjustable response value current / I _g max. | 250 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. | 0.2 A |
| Adjustable response value current / for G-tripping / with I _{2t} characteristic / max. | 1 A |

Mechanical Design

| | |
|-------------|--------|
| height [in] | 9.8 in |
| Height | 248 mm |
| width [in] | 7.2 in |
| Width | 184 mm |
| depth [in] | 4.3 in |
| depth | 110 mm |

Connections

| | |
|--|------------------------------|
| arrangement of electrical connectors / for main current circuit | Front terminal |
| type of electrical connection / for main current circuit | on both sides nut keeper kit |
| Type of connectable conductor cross-section, connection screw, width x thickness, min. | 20 x 1 mm |
| Type of connectable conductor cross-section, connection screw, width x thickness, max. | 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 • during operation / maximum • during storage / minimum | -25 °C 70 °C -40 °C |

• during storage / maximum

80 °C

Certificates

reference code / acc. to IEC 81346-2

Q

General Product Approval

EMC

Declaration of
Conformity



[Miscellaneous](#)



EG-Konf.

Test Certificates

Shipping Approval

[Special Test
Certificate](#)

[Miscellaneous](#)

[Type Test
Certificates/Test
Report](#)



LRS

Shipping Approval

other



[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=3VA2325-6KQ42-0AA0>

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

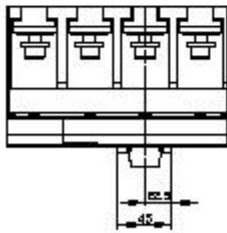
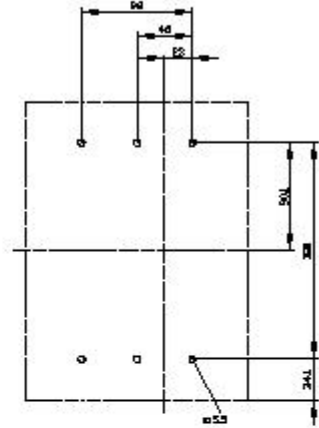
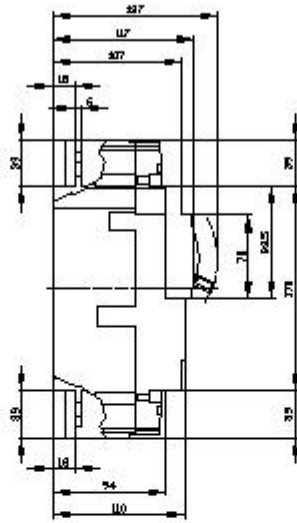
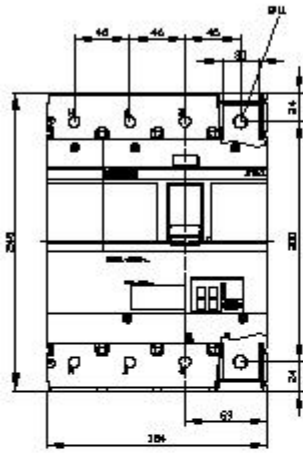
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2325-6KQ42-0AA0>

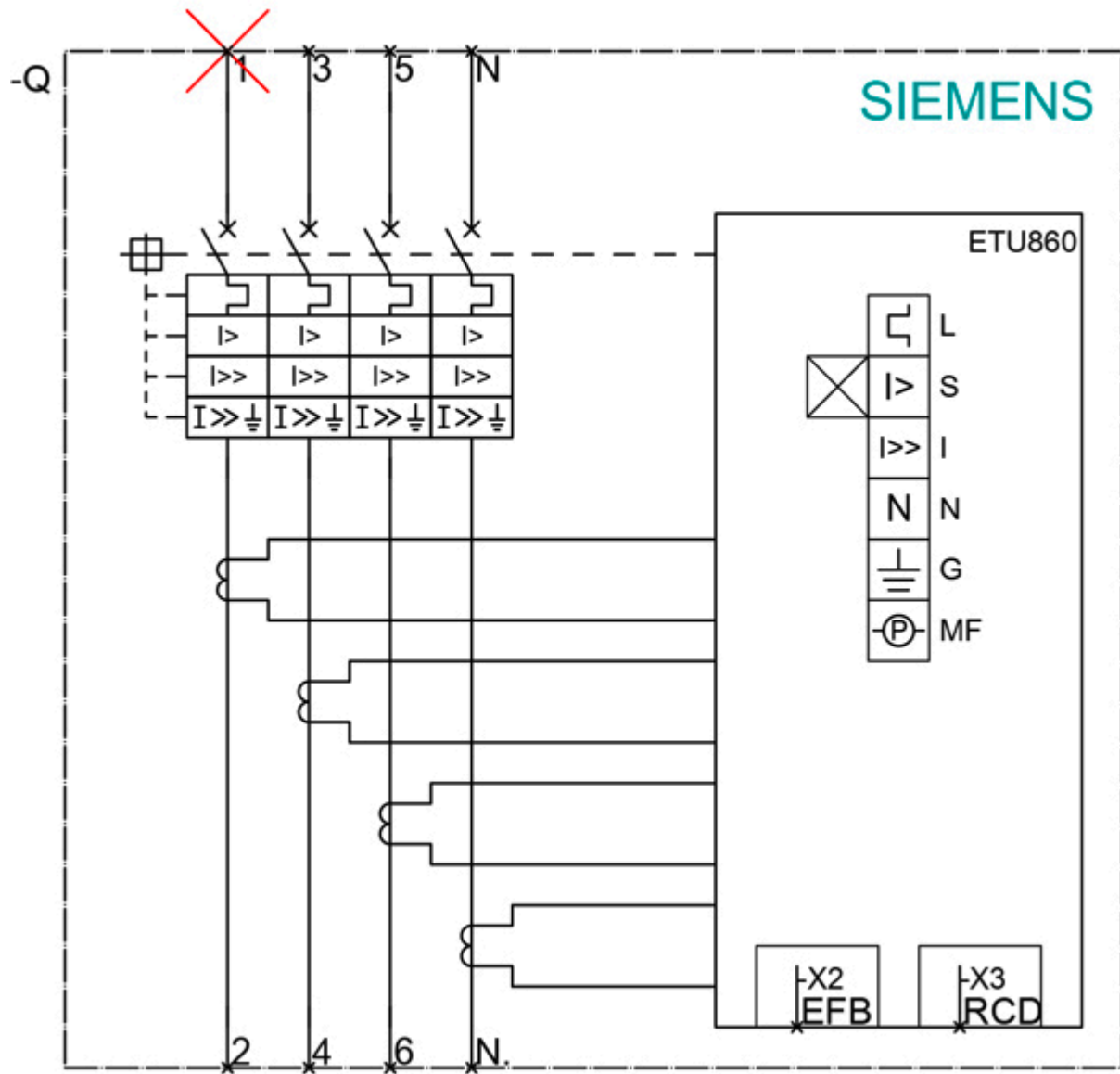
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2325-6KQ42-0AA0

Tender specifications

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





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