

Siemens
EcoTech



circuit breaker 3VA2 IEC Frame 400 breaking capacity class M Icu=55 kA @ 415 V
3-pole, motor protection ETU550M, LSI, In=250 A overload protection Ir=100 A
...250 A short-circuit protection Isd=1.2... 15x In, Ii=3..15x In nut keeper kit



| Model | |
|--|-----------------------------|
| product brand name | SENTRON |
| product designation | Molded case circuit breaker |
| design of the product | Motor protection |
| design of the overcurrent release | ETU550M |
| protection function of the overcurrent release | LSI |
| number of poles | 3 |
| General technical data | |
| insulation voltage / rated value | 800 V |
| operating voltage / at AC / rated value | 690 V |
| operating power / at AC-3 / at 400 V | 110 000 W |
| operating power / at AC-3 / at 230 V | 55 000 W |
| power loss [W] / maximum | 37.5 W |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 12.5 W |
| mechanical service life (operating cycles) / typical | 20 000 |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V | 6 000 |
| electrical endurance (operating cycles) / at AC-1 / at 690 V | 4 200 |
| electrical endurance (operating cycles) / at AC-3 / at 380/415 V | 4 000 |
| product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof | No |
| ground-fault monitoring version | Without |
| product function | |
| • communication function | Yes |
| • phase failure detection | Yes |
| • other measurement function | No |
| Net Weight | 4.645 kg |
| Current | |
| operational current | |
| • at 40 °C | 250 A |
| • at 45 °C | 250 A |
| • at 50 °C | 250 A |
| • at 55 °C | 250 A |
| • at 60 °C | 250 A |
| • at 65 °C | 250 A |
| • at 70 °C | 250 A |

Switching capacity according to IEC 60947

| | |
|--|---------|
| switching capacity class of the circuit breaker | M |
| maximum short-circuit current breaking capacity (I _{cu}) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 440 V | 55 kA |
| • at 500 V | 36 kA |
| • at 690 V | 5 kA |
| operating short-circuit current breaking capacity (I _{cs}) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 440 V | 55 kA |
| • at 500 V | 36 kA |
| • at 690 V | 5 kA |
| short-circuit current making capacity (I _{cm}) | |
| • at 240 V | 187 kA |
| • at 415 V | 121 kA |
| • at 440 V | 121 kA |
| • at 500 V | 75.6 kA |
| • at 690 V | 7.5 kA |

Adjustable parameters

| | |
|---|------------------------------|
| product feature / for L-tripping / can be switched on/off | No |
| adjustable response value setting current (I _r) / of the L-trip / with I _{2t} characteristic | |
| • minimum | 100 A |
| • maximum | 250 A |
| adjustable response value delay time (t _r) / for L-tripping / with I _{2t} characteristic | |
| • minimum | 3 s |
| • maximum | 30 s |
| adjustable response value setting current (I _{sd}) / of S-trip / with I _{0t} characteristic | |
| • minimum | 300 A |
| • maximum | 3 750 A |
| adjustable response value delay time (t _{sd}) / for S-tripping / with I _{0t} characteristic | |
| • minimum | 0.03 s |
| • maximum | 0.03 s |
| adjustable response value setting current (I _i) / for I-tripping | |
| • minimum | 750 A |
| • maximum | 3 750 A |
| adjustable setting current (I _{nN}) / for N-tripping | |
| • minimum | 0 A |
| • maximum | 0 A |
| product function / grounding protection | No |
| adjustable trip class (T _c CLASS) | 10A, 10/10E, 20/ 20E, 30/30E |
| tripping time (T _p) / with adjustable trip class (T _c CLASS) | |
| • minimum | 3 s |
| • maximum | 30 s |

Mechanical Design

| | |
|------------------------|---------|
| product component | |
| • undervoltage release | No |
| • voltage trigger | No |
| • 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 terminal |
| type of electrical connection / for main current circuit | on both sides nut keeper kit |
| 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 |
| 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) | silver |

| 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 |

| Environmental footprint | |
|--|-----------------|
| global warming potential [CO2 eq] / total | 495 kg |
| global warming potential [CO2 eq] / during manufacturing | 28.7 kg |
| global warming potential [CO2 eq] / during operation | 470 kg |
| global warming potential [CO2 eq] / after end of life | -4.07 kg |
| Siemens Eco Profile (SEP) | Siemens EcoTech |
| reference code / according to IEC 81346-2 | Q |

Approvals / Certificates

General Product Approval



[Confirmation](#)



[Miscellaneous](#)

| General Product Approval | EMV | Test Certificates | Maritime application |
|--------------------------|-----|-------------------|----------------------|
|--------------------------|-----|-------------------|----------------------|



[Miscellaneous](#)

[Special Test Certificate](#)



| Maritime application | other | Dangerous goods | Environment |
|----------------------|-------|-----------------|-------------|
|----------------------|-------|-----------------|-------------|



[CCS \(China Classification Society\)](#)

[Confirmation](#)

[Miscellaneous](#)

[Transport Information](#)



Environment



[Environmental Confirmations](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2325-5MP32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2325-5MP32-0AA0>

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

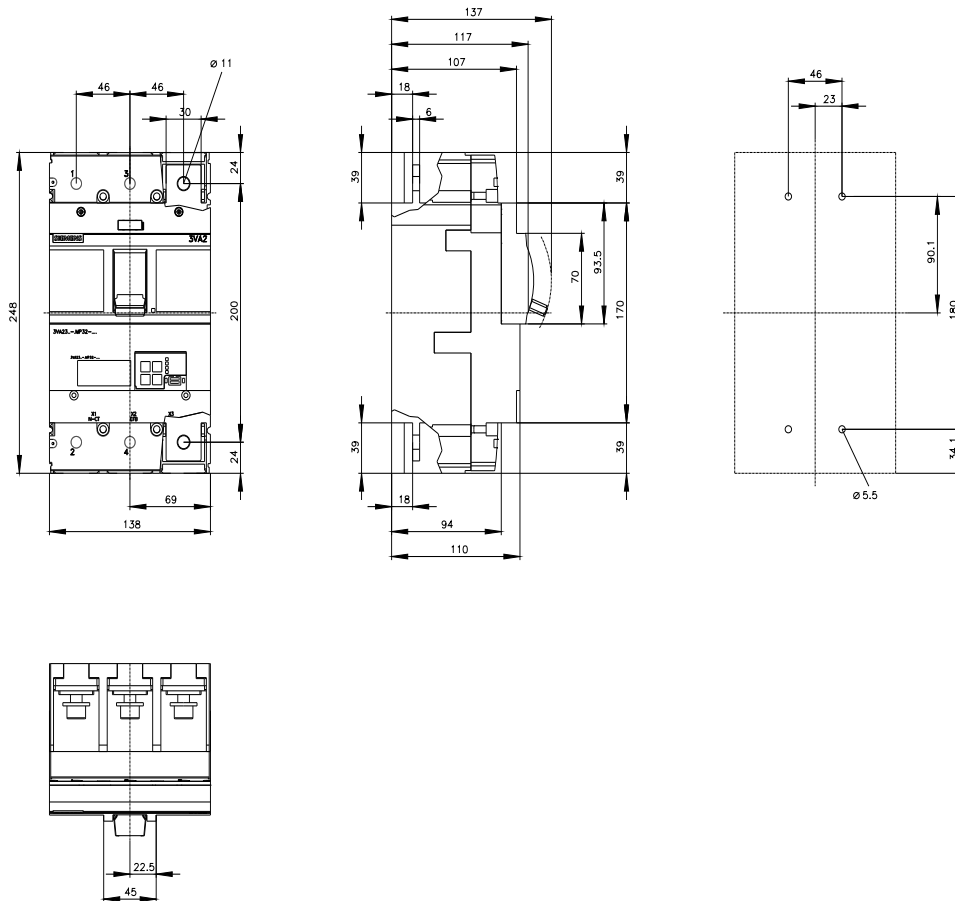
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2325-5MP32-0AA0

CAX-Online-Generator

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

Tender specifications

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





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