

Siemens
EcoTech

















circuit breaker 3VA2 IEC Frame 100 breaking capacity class M Icu=55 kA @ 415 V
3-pole, line protection ETU320, LI, In=25 A overload protection Ir=10 A...25 A
short-circuit protection li=1.5...12 x In nut keeper kit



| Model | |
|---|-----------------------------|
| product brand name | SENTRON |
| product designation | Molded case circuit breaker |
| design of the product | Line protection |
| design of the overcurrent release | ETU320 |
| protection function of the overcurrent release | LI |
| 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 | 0.84 W |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 0.28 W |
| mechanical service life (operating cycles) / typical | 25 000 |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V | 15 000 |
| electrical endurance (operating cycles) / at AC-1 / at 690 V | 10 500 |
| 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 | 2.136 kg |
| Current | |
| operational current | |
| • at 40 °C | 25 A |
| • at 45 °C | 25 A |
| • at 50 °C | 25 A |
| • at 55 °C | 25 A |
| • at 60 °C | 25 A |
| • at 65 °C | 25 A |
| • at 70 °C | 25 A |
| Switching capacity according to IEC 60947 | |
| switching capacity class of the circuit breaker | M |
| maximum short-circuit current breaking capacity (Icu) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 440 V | 55 kA |

| | |
|--|---|
| <ul style="list-style-type: none"> • at 500 V • at 690 V | 36 kA 2 kA |
| operating short-circuit current breaking capacity (Ics) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V | 85 kA 55 kA 55 kA 36 kA 2 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 | 187 kA 121 kA 121 kA 75.6 kA 3 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 <ul style="list-style-type: none"> • minimum • maximum | 10 A 25 A |
| adjustable response value delay time (t _r) / for L-tripping / with I _{2t} characteristic <ul style="list-style-type: none"> • minimum • maximum | 0.5 s 17 s |
| adjustable response value setting current (I _i) / for I-tripping <ul style="list-style-type: none"> • minimum • maximum | 38 A 300 A |
| product function / grounding protection | No |
| Mechanical Design | |
| product component <ul style="list-style-type: none"> • undervoltage release • voltage trigger • trip indicator | No No No |
| height [in] | 7.13 in |
| height | 181 mm |
| width [in] | 4.13 in |
| width | 105 mm |
| depth [in] | 3.39 in |
| depth | 86 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 | 13 x 1 mm |
| type of connectable conductor cross-sections / for flat-bar terminal connection / maximum | 25 x 8 mm |
| design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) | tin |
| design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) | tin |
| 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 • during storage / maximum | -25 °C 70 °C -40 °C 80 °C |
| Environmental footprint | |

| | | | |
|--|--|--|---|
| Siemens Eco Profile (SEP) | | Siemens EcoTech | |
| reference code / according to IEC 81346-2 | | Q | |
| Approvals / Certificates | | | |
| General Product Approval | | | |
| <div><div> EG-Konf.</div><div></div></div> | | <div><div>Confirmation</div><div> CCC</div><div> VDE</div><div>Miscellaneous</div></div> | |
| General Product Approval | EMV | Test Certificates | Marine / Shipping |
| <div></div> | <div> RCM</div> | <div>Special Test Certificate</div> | <div>Miscellaneous</div> <div>Type Test Certificates/Test Report</div> <div> ABS</div> |
| Marine / Shipping | | | other |
| <div> BUREAU VERITAS</div> | <div> DNV</div> | <div> LRS</div> | <div> RMRS</div> <div>CCS (China Classification Society)</div> <div>Miscellaneous</div> |
| other | Dangerous goods | Environment | |
| <div>Confirmation</div> | <div>Miscellaneous</div> | <div>Transport Information</div> | <div> EPD</div> <div></div> <div></div> <div>Environmental Confirmations</div> |
| Environment | | | |
| <div>Environmental Confirmations</div> | | | |
| Further information | | | |
| <div>Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875</div> <div>Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs</div> <div>Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2025-5HL32-0AA0</div> <div>Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA2025-5HL32-0AA0</div> <div>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2025-5HL32-0AA0</div> <div>CAX-Online-Generator http://www.siemens.com/cax</div> <div>Tender specifications http://www.siemens.com/specifications</div> | | | |

