

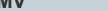


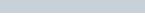
circuit breaker 3VA2 IEC Frame 1250 breaking capacity class H Icu=85 kA @ 415 V 3-pole line protection ETU350 LSI In=1250 A overload protection Ir=500 A ...1250 A short-circuit protection Isd=15... 10 X Ir li=10 x In circuit breaker with straight bus connectors extended

| Model | |
|--|-----------------------------|
| product brand name | SENTRON |
| product designation | Molded case circuit breaker |
| design of the product | Line protection |
| design of the overcurrent release | ETU350 |
| 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 |
| power loss [W] / maximum | 516 W |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 172 W |
| mechanical service life (operating cycles) / typical | 10 000 |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V | 4 600 |
| electrical endurance (operating cycles) / at AC-1 / at 690 V | 3 200 |
| product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof | No |
| ground-fault monitoring version | Without |
| product function | |
| • communication function | No |
| • other measurement function | No |
| Net Weight | 22.6 kg |
| Current | |
| operational current | |
| • at 40 °C | 1 250 A |
| • at 45 °C | 1 250 A |
| • at 50 °C | 1 250 A |
| • at 55 °C | 1 187 A |
| • at 60 °C | 1 125 A |
| • at 65 °C | 1 000 A |
| • at 70 °C | 875 A |
| Switching capacity according to IEC 60947 | |
| switching capacity class of the circuit breaker | H |
| maximum short-circuit current breaking capacity (Icu) | |
| • at 240 V | 110 kA |
| • at 415 V | 85 kA |
| • at 440 V | 85 kA |
| • at 500 V | 55 kA |
| • at 690 V | 35 kA |
| operating short-circuit current breaking capacity (Ics) | |

| | |
|--|--|
| • at 240 V | 110 kA |
| • at 415 V | 85 kA |
| • at 440 V | 70 kA |
| • at 500 V | 55 kA |
| • at 690 V | 19 kA |
| short-circuit current making capacity (Icm) | |
| • at 240 V | 242 kA |
| • at 415 V | 187 kA |
| • at 440 V | 187 kA |
| • at 500 V | 121 kA |
| • at 690 V | 73.5 kA |
| Adjustable parameters | |
| product feature / for L-tripping / can be switched on/off | No |
| adjustable response value setting current (Ir) / of the L-trip / with I _{2t} characteristic | |
| • minimum | 500 A |
| • maximum | 1 250 A |
| adjustable response value delay time (tr) / for L-tripping / with I _{2t} characteristic | |
| • minimum | 0.5 s |
| • maximum | 17 s |
| adjustable response value setting current (Isd) / of S-trip / with I _{2t} characteristic | |
| • minimum | 750 A |
| • maximum | 12 500 A |
| adjustable response value delay time (tsd) / for S-tripping / with I _{2t} characteristic | |
| • minimum | 0.0001 s |
| • maximum | 0.4 s |
| adjustable response value setting current (li) / for I-tripping | |
| • minimum | 12 500 A |
| • maximum | 12 500 A |
| product function / grounding protection | No |
| Mechanical Design | |
| product component | |
| • undervoltage release | No |
| • voltage trigger | No |
| • trip indicator | No |
| height [in] | 12.6 in |
| height | 320 mm |
| width [in] | 8.27 in |
| width | 210 mm |
| depth [in] | 4.72 in |
| depth | 120 mm |
| Connections | |
| arrangement of electrical connectors / for main current circuit | Front terminal |
| type of electrical connection / for main current circuit | busbar connection pieces extended on two sides |
| 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 | No |
| 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 |

Approvals / Certificates

| General Product Approval | EMV | Test Certificates | Maritime application |
|-------------------------------|---|--|---|
| Miscellaneous |  |  RCM | Miscellaneous Type Test Certificates/Test Report |

| other | Dangerous goods | Environment | | |
|------------------------------|--|---------------------------------------|---|---|
| Confirmation |  The logo consists of the Chinese characters '产品合格' (Product Passed) in a bold, black, sans-serif font, with 'QC PASS' in a smaller, bold, black, sans-serif font directly below it. Miscellaneous | Transport Information | Environmental Confirmations | Environmental Confirmations |

Further information

Information on the packaging

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

<https://support.industry.dti.ti.com/ww/en/view/100010070>

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mifb=3VA2612-6HN37-0AA0>

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

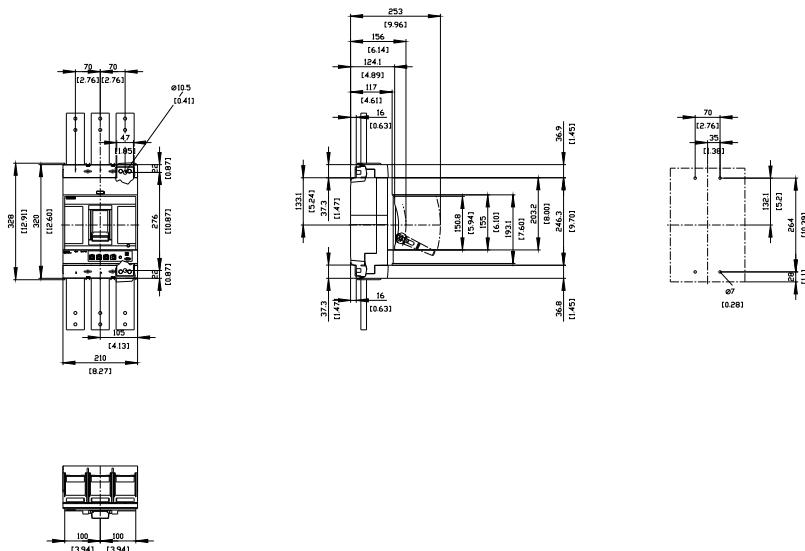
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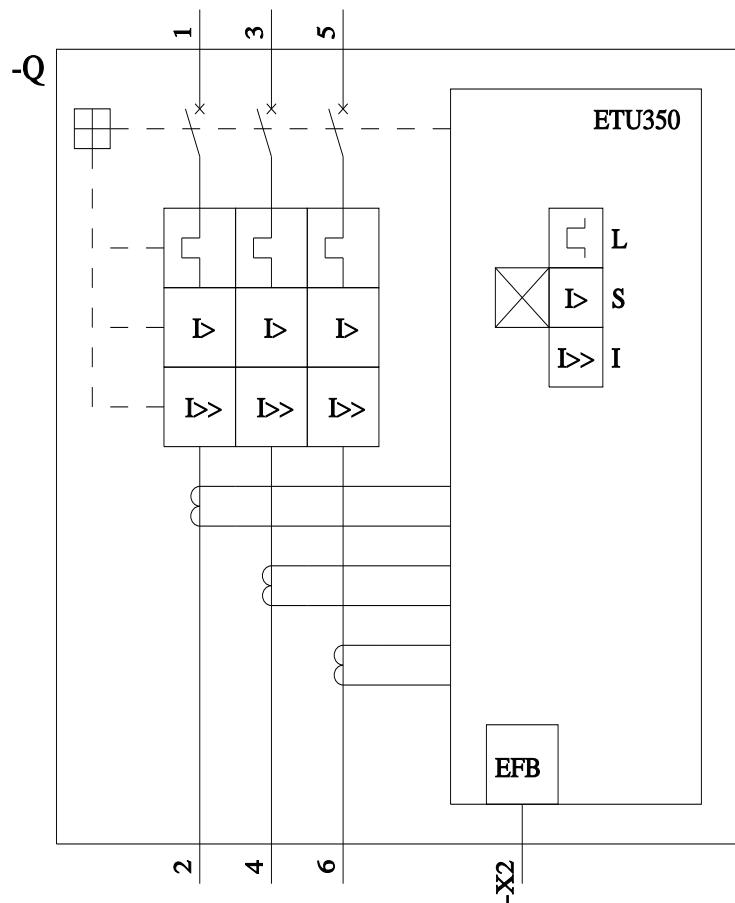
<http://support.industry.siemens.com>

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

<http://www.automation.s>

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





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