

fixed-mounted sw. disconnecter with handle frame 1600; 4AUX Icu=55kA @ 415V, 3-pole SD100; In=1250A without overload protection w/o short-circuit protection rear vertical connection No communication connection, no measurement function Without additional alarm switch assembly With mechanical calling without 2nd auxiliary release without 1st auxiliary release

| Model | |
|--|----------------------------|
| product brand name | SENTRON |
| product designation | circuit breaker |
| design of the product | LTS |
| product variations | Selective Applications |
| design of the actuating element | toggel handle actuator |
| type of the driving mechanism | manual operating mechanism |
| type of the driving mechanism / motor drive | No |
| design of the overcurrent release | SD100 |
| General technical data | |
| number of poles | 3 |
| size of the circuit-breaker | 1600 A |
| mechanical service life (operating cycles) / typical | 1 000 |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V | 2 000 |
| insulation voltage / rated value | 1 000 V |
| operational current | |
| • at 45 °C / rated value | 1 250 A |
| continuous current / rated value / maximum | 1 250 A |
| Supply voltage | |
| operating voltage | |
| • at AC / at 50/60 Hz / rated value | 690 V |
| Protection class | |
| protection class IP / on the front | IP20 |
| Breaking Capacity | |
| switching capacity class of the circuit breaker | M |
| power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 47 W |
| • maximum | 141 W |
| Auxiliary circuit | |
| number of CO contacts / for auxiliary contacts | 4 |
| Suitability | |
| suitability for use | circuit breaker |
| Product details | |
| product component | |
| • trip indicator | No |
| • voltage trigger | No |
| • undervoltage release | No |
| product extension / optional / motor drive | No |
| Product function | |
| product function | |
| • communication function | No |
| Display and operation | |
| display version | Without display |
| Short circuit | |
| operating short-circuit current breaking capacity (Ics) | |
| • at 240 V / rated value | 100 kA |
| • at 415 V / rated value | 55 kA |
| • at 440 V / rated value | 55 kA |

| | |
|---|--|
| <ul style="list-style-type: none"> • at 500 V / rated value • at 690 V / rated value | 36 kA 25 kA |
| maximum short-circuit current breaking capacity (I _{cu}) <ul style="list-style-type: none"> • at 240 V / rated value • at 415 V / rated value • at 440 V / rated value • at 500 V / rated value • at 690 V / rated value | 100 kA 55 kA 55 kA 36 kA 25 kA |
| short-circuit current making capacity (I _{cm}) <ul style="list-style-type: none"> • at 240 V / rated value • at 415 V / rated value • at 440 V / rated value • at 500 V / rated value • at 690 V / rated value | 220 kA 121 kA 121 kA 75.6 kA 53 kA |

Connections

| | |
|---|-------------------------------|
| arrangement of electrical connectors / for main current circuit | Main connection rear vertical |
| type of electrical connection / for main current circuit | busbar connection |

Mechanical Design

| | |
|------------------|----------------|
| height | 296 mm |
| width | 210 mm |
| depth | 183 mm |
| fastening method | fixed mounting |
| net weight | 14 kg |

Environmental conditions

| | |
|---|-----------------|
| ambient temperature / during operation <ul style="list-style-type: none"> • minimum • maximum | -25 °C 70 °C |
| ambient temperature / during storage <ul style="list-style-type: none"> • minimum • maximum | -40 °C 70 °C |

Further information

Information on the packaging

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-5AA01-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5AA01-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5AA01-0AA0

CAX-Online-Generator

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

Tender specifications

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



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