

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU360, LSIG, In=1250A rotary coding switch Ir=500...1250A Isd=1...10xIn, li=1.5...15xIn N conductor protec. adjustable opt. w. ext. CT; up to 200% gr.-fault prot., can be sw. off Ig=0.1...1 x In, tg=0.1...0.8s nut keeper kit 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  | Molded case circuit breaker |
| design of the product  | MCCB                        |
| 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  | ETU360                      |
| General technical data   |                             |
| number of poles  | 3                           |
| size of the circuit-breaker  | 1600 A                      |
| mechanical service life (operating cycles) / typical   | 1 000                       |
| circuit-breaker / Design   | 3VA2                        |
| Voltage  |                             |
| insulation voltage / rated value   | 1 000 V                     |
| operating voltage / at AC / at 50/60 Hz / rated value  | 690 V                       |
| protection class IP  | IP20                        |
| <ul style="list-style-type: none"> <li>protection class IP / on the front</li> <li>protection function of the overcurrent release</li> </ul> | IP20<br>LSIG                |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  | 47 W                        |
| Auxiliary circuit  |                             |
| number of CO contacts / for auxiliary contacts   | 4                           |
| Suitability  |                             |
| suitability for use  | system protection           |
| Adjustable parameters  |                             |
| adjustable current response value current / of the current-dependent overload release / initial value  | 500 A                       |
| product component  |                             |
| <ul style="list-style-type: none"> <li>trip indicator</li> <li>voltage trigger</li> <li>undervoltage release</li> </ul>                      | Yes<br>No<br>No             |
| product extension / optional / motor drive   | No                          |
| Product function   |                             |
| product function   |                             |
| <ul style="list-style-type: none"> <li>grounding protection</li> </ul>   | Yes                         |
| Display and operation  |                             |
| display version  | Without display             |
| Short circuit  |                             |
| operating short-circuit current breaking capacity (Ics)  |                             |
| <ul style="list-style-type: none"> <li>at 415 V / rated value</li> <li>at 500 V / rated value</li> <li>at 690 V / rated value</li> </ul>     | 55 kA<br>36 kA<br>25 kA     |
| maximum short-circuit current breaking capacity (Icu)  |                             |
| <ul style="list-style-type: none"> <li>at 415 V / rated value</li> <li>at 440 V / rated value</li> <li>at 500 V / rated value</li> </ul>     | 55 kA<br>55 kA<br>36 kA     |

- at 690 V / rated value

25 kA

#### Connections

|   |                               |
|---|-------------------------------|
| arrangement of electrical connectors / for main current circuit | Main connection on front side |
| 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 |        |
| • minimum                              | -25 °C |
| • maximum                              | 70 °C  |
| ambient temperature / during storage   |        |
| • minimum                              | -40 °C |
| • maximum                              | 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=3VA2712-5AD03-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5AD03-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2712-5AD03-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5AD03-0AA0)

##### CAX-Online-Generator

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

##### Tender specifications

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

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