

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU320, LI, In=1000A rotary coding switch Ir=400...1000A li=1.5...15 x In N conductor protec. adjustable opt. w. ext. CT; up to 200% straight bus connector extended No communication connection, no measurement function Motorized operating mechanism 220...250 V AC/DC incl. S21 spring energy store signaling switch With electr. and mech. calling Switch-on solenoid (CC) 220-240 V AC/DC without 2nd auxiliary release With 1st auxiliary release, ST Shunt release 220-240 V AC/DC

| Model                                                                                                                                                                                            |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| product brand name                                                                                                                                                                               | SENTRON                     |
| product designation                                                                                                                                                                              | Molded case circuit breaker |
| design of the product                                                                                                                                                                            | MCCB                        |
| design of the actuating element                                                                                                                                                                  | spring actuator             |
| type of the driving mechanism                                                                                                                                                                    | motor drive                 |
| type of the driving mechanism / motor drive                                                                                                                                                      | Yes                         |
| design of the overcurrent release                                                                                                                                                                | ETU320                      |
| 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>LI                  |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole                                                                                                      | 30 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                                                                                            | 400 A                       |
| product component <ul style="list-style-type: none"> <li>trip indicator</li> <li>voltage trigger</li> <li>undervoltage release</li> </ul>                                                        | Yes<br>Yes<br>No            |
| Product function                                                                                                                                                                                 |                             |
| product function <ul style="list-style-type: none"> <li>grounding protection</li> </ul>                                                                                                          | No                          |
| 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 at the front, extension enclosed |
| 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  |

#### General Product Approval

[Confirmation](#)



[Miscellaneous](#)



| EMV | Test Certificates | Marine / Shipping |
|-----|-------------------|-------------------|
|-----|-------------------|-------------------|



[Miscellaneous](#)



| other | Dangerous Good | Environment |
|-------|----------------|-------------|
|-------|----------------|-------------|

[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Transport Information](#)

[Dangerous Goods Information](#)

[Environmental Confirmations](#)

#### 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=3VA2710-1AB05-4HA7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2710-1AB05-4HA7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2710-1AB05-4HA7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2710-1AB05-4HA7)

##### CAX-Online-Generator

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

##### Tender specifications

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



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