

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 4-pole, left ETU350, LSI, In=1250A rotary coding switch Ir=500...1250A Isd=1...10xIn, li=1.5...15xIn N conductor protec. adjustable OFF, 50%, 100%, 200% nut keeper kit No communication connection, no measurement function With trip alarm switch TAS and trip alarm switch S25 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                                                           | ETU350                      |
| General technical data                                                                      |                             |
| number of poles                                                                             | 4                           |
| size of the circuit-breaker                                                                 | 1600 A                      |
| mechanical service life (switching 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                        |
| protection class IP / on the front                                                          | IP20                        |
| protection function of the overcurrent release                                              | LSI                         |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 47 W                        |
| Current                                                                                     |                             |
| operational current                                                                         |                             |
| • at 40 °C / rated value                                                                    | 1 250 A                     |
| • at 45 °C / rated value                                                                    | 1 250 A                     |
| • at 50 °C / rated value                                                                    | 1 250 A                     |
| • at 55 °C / rated value                                                                    | 1 240 A                     |
| • at 60 °C / rated value                                                                    | 1 182 A                     |
| • at 65 °C / rated value                                                                    | 1 122 A                     |
| • at 70 °C / rated value                                                                    | 1 057 A                     |
| continuous current / rated value                                                            | 1 250 A                     |
| adjustable current response value current                                                   |                             |
| • of the current-dependent overload release / full-scale value                              | 1 250 A                     |
| • of instantaneous short-circuit trip unit / minimum                                        | 1 875 A                     |
| • of instantaneous short-circuit trip unit / maximum                                        | 18 750 A                    |
| short-time withstand current (Icw)                                                          |                             |
| • limited to 1 s / rated value                                                              | 20 kA                       |
| • at AC / at 415 V / limited to 0.5 s / rated value                                         | 20 kA                       |
| 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 short-time delayed short-circuit release / initial                                 | 1 250 A                     |



#### Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-5AC13-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5AC13-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2712-5AC13-1AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5AC13-1AA0)

**CAX-Online-Generator**

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

**Tender specifications**

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



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