

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=800A rotary coding switch Ir=320...800A I<sub>sd</sub>=1...10xIn, Ii=1.5...15xIn N conductor protec. adjustable OFF, 50%, 100%, 200% straight bus connector extended No communication connection, no measurement function Without additional alarm switch assembly With mechanical calling with 2nd auxiliary release UVR, instant Undervoltage 220-240 V AC/DC without 1st auxiliary release

| Model   |                             |
|---|-----------------------------|
| 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                           |
| mechanical service life (operating cycles) / typical  | 10 000                      |
| 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  | 800 A                       |
| continuous current / rated value / maximum  | 800 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                          | 19.3 W                      |
| • maximum   | 57.9 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 short-time delayed short-circuit release           |                             |
| • initial value   | 800 A                       |
| • full-scale value  | 8 000 A                     |
| adjustable current response value current / of the current-dependent overload release / initial value | 320 A                       |
| Product details   |                             |
| product component   |                             |
| • trip indicator  | Yes                         |
| • voltage trigger   | No                          |
| • undervoltage release  | Yes                         |
| product extension / optional / motor drive  | No                          |
| Product function  |                             |
| product function  |                             |
| • grounding protection  | No                          |
| • communication function  | No                          |
| Display and operation   |                             |

|   |  |
|---|--|
| <b>display version</b>  | Without display                                  |
| <b>Short circuit</b>  |  |
| <b>operating short-circuit current breaking capacity (Ics)</b>  |  |
| • at 240 V / rated value  | 100 kA   |
| • at 415 V / rated value  | 55 kA  |
| • at 440 V / rated value  | 55 kA  |
| • at 500 V / rated value  | 36 kA  |
| • at 690 V / rated value  | 25 kA  |
| <b>maximum short-circuit current breaking capacity (Icu)</b>  |  |
| • at 240 V / rated value  | 100 kA   |
| • at 415 V / rated value  | 55 kA  |
| • at 440 V / rated value  | 55 kA  |
| • at 500 V / rated value  | 36 kA  |
| • at 690 V / rated value  | 25 kA  |
| <b>short-circuit current making capacity (Icm)</b>  |  |
| • at 240 V / rated value  | 220 kA   |
| • at 415 V / rated value  | 121 kA   |
| • at 440 V / rated value  | 121 kA   |
| • at 500 V / rated value  | 75.6 kA  |
| • at 690 V / rated value  | 53 kA  |
| <b>Connections</b>  |  |
| 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                                |
| <b>Mechanical Design</b>  |  |
| <b>height</b>   | 296 mm   |
| <b>width</b>  | 280 mm   |
| <b>depth</b>  | 183 mm   |
| <b>fastening method</b>   | fixed mounting                                   |
| <b>net weight</b>   | 16 kg  |
| <b>Environmental conditions</b>   |  |
| <b>ambient temperature / during operation</b>   |  |
| • minimum   | -25 °C   |
| • maximum   | 70 °C  |
| <b>ambient temperature / during storage</b>   |  |
| • minimum   | -40 °C   |
| • maximum   | 70 °C  |
| <b>Further information</b>  |  |
| <b>Information on the packaging</b>   |  |
| <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>   |  |
| <b>Industry Mall (Online ordering system)</b>   |  |
| <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2780-5AC15-0AH0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2780-5AC15-0AH0</a> |  |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b>   |  |
| <a href="https://support.industry.siemens.com/cs/ww/en/ps/3VA2780-5AC15-0AH0">https://support.industry.siemens.com/cs/ww/en/ps/3VA2780-5AC15-0AH0</a>                                   |  |
| <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b>  |  |
| <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2780-5AC15-0AH0">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2780-5AC15-0AH0</a>                 |  |
| <b>CAX-Online-Generator</b>   |  |
| <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>   |  |
| <b>Tender specifications</b>  |  |
| <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>   |  |



---

last modified:

7/2/2025 

