

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU350, LSI, 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% 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 incl. remote reset solenoid (RR) reset remotely 220 V AC/DC with 2nd auxiliary release UVR, instant Undervoltage 220-240 V AC/DC 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	ETU350
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
- protection class IP / on the front - protection function of the overcurrent release	IP20 LSI
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	
- trip indicator - voltage trigger - undervoltage release	Yes Yes Yes
Product function	
product function	
grounding protection	No
Display and operation	
display version	Without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
- at 415 V / rated value - at 500 V / rated value - at 690 V / rated value	55 kA 36 kA 25 kA
maximum short-circuit current breaking capacity (Icu)	
at 415 V / rated value	55 kA

- at 440 V / rated value
- at 500 V / rated value
- at 690 V / rated value

55 kA
36 kA
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

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=3VA2712-1AC05-4MH7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-1AC05-4MH7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-1AC05-4MH7

CAX-Online-Generator

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

Tender specifications

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



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