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Data sheet 3VA2712-6AB05-0AH0

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "H" Icu=85kA @ 415V, 3-pole ETU320, LI, In=1250A rotary coding switch Ir=500...1250A Ii=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 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	ETU320
General technical data	
number of poles	3
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**	1 250 A
continuous current / rated value / maximum	1 250 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	H
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	47 W
● maximum	141 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 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	
display version	Without display
Short circuit	

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operating short-circuit current breaking capacity (Ics)	
● at 240 V / rated value	150 kA
● at 415 V / rated value	85 kA
● at 440 V / rated value	85 kA
● at 500 V / rated value	55 kA
● at 690 V / rated value	36 kA
maximum short-circuit current breaking capacity (Icu)	
● at 240 V / rated value	150 kA
● at 415 V / rated value	85 kA
● at 440 V / rated value	85 kA
● at 500 V / rated value	55 kA
● at 690 V / rated value	36 kA
short-circuit current making capacity (Icm)	
● at 240 V / rated value	330 kA
● at 415 V / rated value	187 kA
● at 440 V / rated value	187 kA
● at 500 V / rated value	121 kA
● at 690 V / rated value	76 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	13.27 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
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-6AB05-0AH0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-6AB05-0AH0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-6AB05-0AH0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/3VA2712-6AB05-0AH0

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