SIEMENS

Data sheet 3VA2463-5HL32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 630 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3-POLE, LINE PROTECTION ETU320, LI, IN=630A OVERLOAD PROTECTION IR=252A ...630A SHORT CIRCUIT PROTECTION II=10 X IN BUSBAR CONNECTION

Model	
product brand name	SENTRON
Product designation	Molded case circuit breaker
Design of the product	Line protection
Design of the overcurrent release	ETU320
Protective function of the overcurrent release	LI
Number of poles	3

General technical data	
Tension assignée d'isolement Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Active power loss / for rated value of the current / at AC / in hot operating state / per device	162 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	54 W
Mechanical service life (switching cycles) / typical	15 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	4 000
Neutral conductors / upgradeable/retrofittable	No
Ground fault monitoring version	Without

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Net weight	5.152 kg

Electricity	
Max. rated operational voltage of the size of the circuit-breaker	630 A
Courant permanent assigné Iu	630 A
Operating current	
• at 40 °C	630 A
• at 45 °C	611.1 A
• at 50 °C	592.2 A
• at 55 °C	573.3 A
• at 60 °C	554.4 A
• at 65 °C	535.5 A
• at 70 °C	522.9 A

Switching capacity	
Switching capacity class of the circuit breaker	M
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 690 V	6 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 690 V	6 kA
Short-circuit current making capacity (Icm)	
• at 240 V	187 kA
• at 415 V	121 kA
• at 690 V	9 kA

Adjustable parameters	
Adjustable response value current / Ig min.	250 A
Adjustable response value current / Ig min.	630 A
Adjustable response value current / Ig min.	0.5
Adjustable response value current / Ig min.	12
Short-term delayed / tripping switchable / I2t=ON/OFF	No
Adjustable response value current / Ii min.	945 A
Adjustable response value current / Ii max.	5 670 A
Ground fault protection / tripping switchable / I2t=ON/OFF	No

Mechanical Design	
Height	248 mm

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Width	138 mm
Depth	137 mm

Connections	
Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Lug terminal
Type of connectable conductor cross-section, connection screw, width x thickness , min.	20 x 1
Type of connectable conductor cross-section, connection screw, width x thickness , max.	35 x 10

Auxiliary circuit	
Number of CO contacts / for auxiliary contacts	0

Accessories	
Product extension / optional / motor drive	Yes

Environmental conditions	
Protection class IP / on the front	IP40
Ambient temperature	
• during operation / minimum	-25 °C
• during operation / maximum	70 °C
• during storage / minimum	-40 °C
• during storage / maximum	80 °C

Certificates	
Equipment marking / acc. to DIN EN 81346-2	Q

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General Product Approval			EMC	Declaration of Conformity	Test Certificates
CCC	VDE		RCM	EG-Konf.	Typprüfbescheinigung/Werkszeugnis

Test Certificates	Shipping Approval				
sonstig	ABS	BUREAU VERITAS	DNV	GL	LRS

Shipping Approval	other
RMRS	sonstig

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA24635HL320AA0

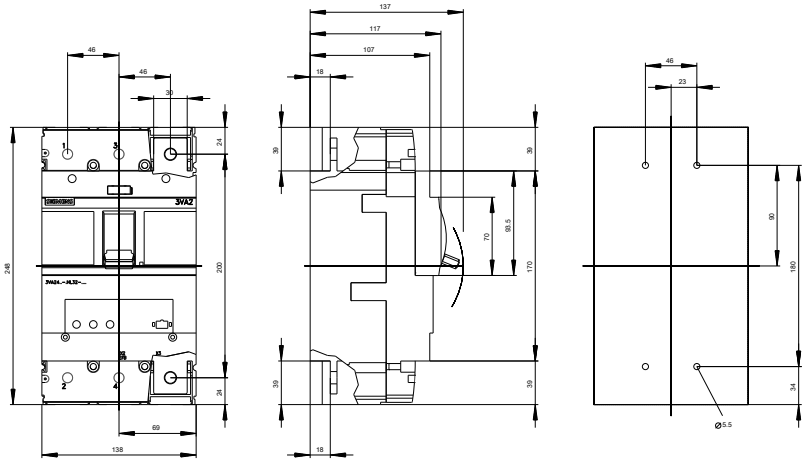
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VA24635HL320AA0/all

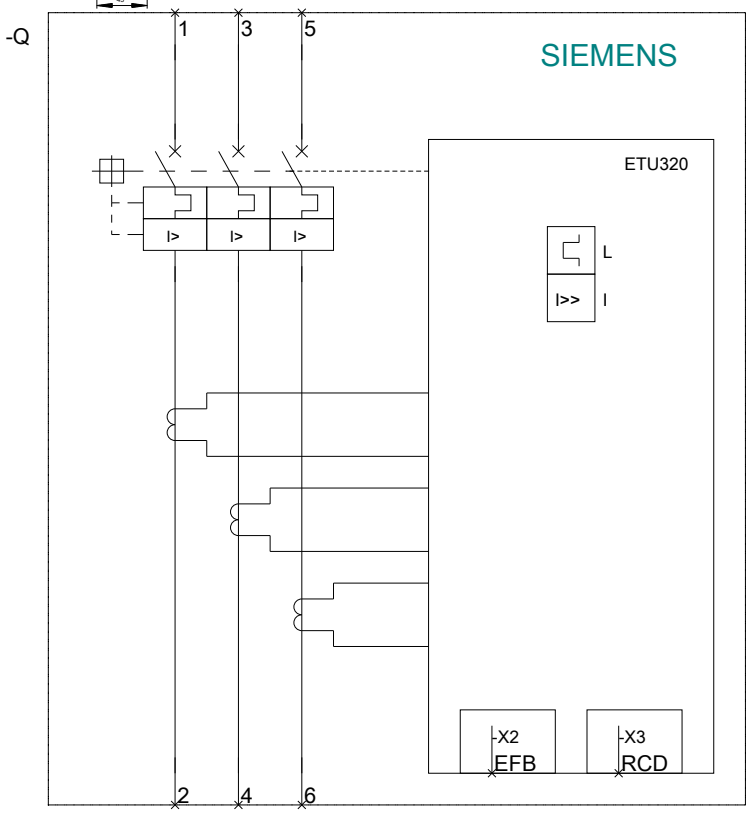
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA24635HL320AA0

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://ausschreibungstexte.siemens.com/tiplv

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