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Data sheet 3VA2440-6HN32-0DA0

CIRCUIT BREAKER 3VA2 IEC FRAME 630 BREAKING CAPACITY CLASS H ICU=85KA @ 415 V 3-POLE, LINE PROTECTION ETU350, LSI, IN=400A OVERLOAD PROTECTION IR=160A ...400A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=12 X IN BUSBAR CONNECTION UNDERVOLTAGE RELEASE (UVR) 208-230 V AC 50/50 HZ

Model	
product brandname	SENTRON
Product designation	Molded case circuit breaker
Design of the product	Line protection
Design of the overcurrent release	ETU350
Protective function of the overcurrent release	LSI
Number of poles	3
Design of the auxiliary release	Undervoltage release (UVR)
Design of the auxiliary switch	Without

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	66 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	22 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

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Neutral conductors / upgradeable/retrofittable	No
Ground fault monitoring version	Without
Product function	
• communication function	No
• Phase failure detection	No
• other measurement function	No
Net weight	4.4 kg

Electricity

Max. rated operational voltage of the size of the circuit-breaker	630 A
Courant permanent assigné Iu	400 A
Operating current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	384 A
• at 60 °C	376 A
• at 65 °C	368 A
• at 70 °C	360 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	H
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	110 kA
• at 415 V	85 kA
• at 440 V	85 kA
• at 500 V	55 kA
• at 690 V	20 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	110 kA
• at 415 V	85 kA
• at 440 V	85 kA
• at 500 V	55 kA
• at 690 V	20 kA
Short-circuit current making capacity (Icm)	
• at 240 V	242 kA
• at 415 V	187 kA
• at 440 V	187 kA
• at 500 V	121 kA
• at 690 V	40 kA

Adjustable parameters

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Adjustable response value current / Ig min.	160 A
Adjustable response value current / Ig min.	400 A
Adjustable response value current / Ig min.	0.5
Adjustable response value current / Ig min.	17
Adjustable response value current / Ig min.	0 A
Adjustable response value current / Ig min.	0 A
Short-term delayed / tripping switchable / I2t=ON/OFF	No
Adjustable response value current / Ii min.	4 800 A
Adjustable response value current / Ii max.	4 800 A

Mechanical Design

Height	248 mm
Width	138 mm
Depth	110 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

Product component	
• undervoltage release	Yes
• Voltage trigger	No
• undervoltage release with leading contact	No
• Trip indicator	No
Number of CO contacts / for auxiliary contacts	0

Accessories

Product extension / optional / motor drive	Yes
Manufacturer's article number	
• of the supplied basic switch	3VA2440-6HN32-0AA0
• of the integrated auxiliary trip	3VA9608-0BB25

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

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Certificates

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

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

Test Certificates	Shipping Approval				
sonstig	ABS	BUREAU VERITAS	GL	LRS	RMRS

other
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/3VA2440-6HN32-0DA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VA2440-6HN32-0DA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2440-6HN32-0DA0

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

Tender specifications
http://www.siemens.com/specifications

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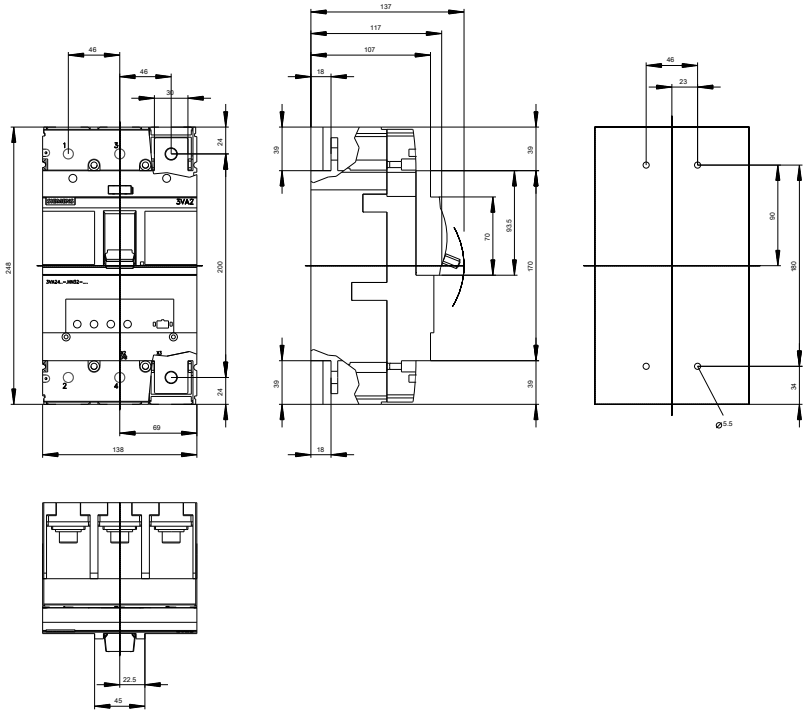

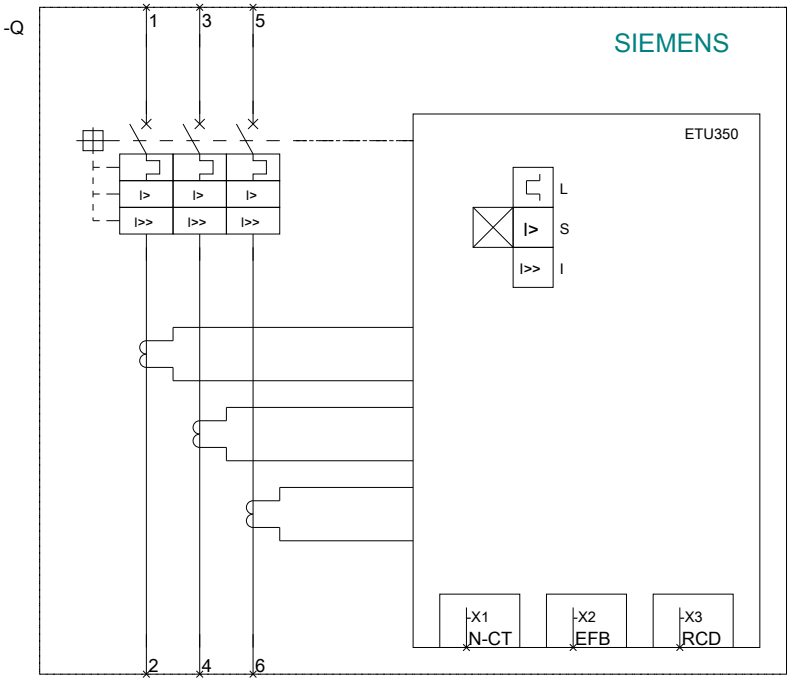

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