



circuit breaker 3VA2 IEC frame 400 breaking capacity class M
Icu=55kA @ 415V 4-pole, line protection ETU350, LSI, In=400A
overload protection Ir=160A...400A short-circuit protection
Isd=1.5...10 x Ir, li=10 x In N conductor protection adjustable (OFF, 50%, 100%) nut keeper kit undervoltage release (UVR) 24V DC 2 auxiliary switches HQ

Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Product version	Line protection
Design of the overcurrent release	ETU350
Protective function of the overcurrent release	LSI
Number of poles	4
Design of the auxiliary release	Undervoltage release (UVR)
Auxiliary contact version	2 auxiliary switches HQ
General technical data	
Rated insulation voltage Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Power loss [W] / maximum	98.5 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	32 W
Latching - endurance	15 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	6 000
Neutral conductors / upgradeable/retrofitable	No

Ground fault monitoring version	Without
Product function	
• communication function	No
• Phase failure detection	No
• other measurement function	No
Net weight	5.8 kg

Current

Max. rated operational current of the frame size	400 A
Rated continuous current I _u	400 A
Operating current	
• at 40 °C	400 A
• at 45 °C	400 A
• at 50 °C	400 A
• at 55 °C	385 A
• at 60 °C	370 A
• at 65 °C	355 A
• at 70 °C	340 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	M
Maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	10 kA
Operational short-circuit current breaking capacity (I _{cs})	
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	10 kA
Short-circuit current making capacity (I _{cm})	
• at 240 V	187 kA
• at 415 V	121 kA
• at 440 V	121 kA
• at 500 V	75.6 kA
• at 690 V	17 kA

Adjustable parameters

Adjustable response value current / I _r min.	160 A
Adjustable response value current / I _r max.	400 A

Adjustable response value time / tr min.	0.5
Adjustable response value time / tr max.	17
Adjustable response value current / Isd min.	0 A
Adjustable response value current / Isd max.	0 A
Short-term delayed / tripping switchable / I2t=ON/OFF	No
Adjustable response value current / li min.	4 000 A
Adjustable response value current / li max.	4 000 A

Mechanical Design

Height	248 mm
Width	184 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	2

Accessories

Product extension / optional / motor drive	Yes
Manufacturer's article number	
• of the supplied basic switch	3VA2340-5HN42-0AA0
• of the integrated auxiliary switch/alarm switch	3VA9988-0AA12
• of the integrated auxiliary trip	3VA9608-0BB11

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

General Product Approval	EMC	Declaration of Conformity
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CCC



VDE

[Miscellaneous](#)

RCM



EG-Konf.

Test Certificates	Shipping Approval
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[Miscellaneous](#)[Special Test Certificate](#)[Type Test Certificates/Test Report](#)

ABS

BUREAU
VERITAS

LRS

Shipping Approval	other
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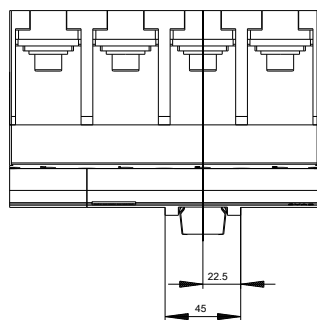
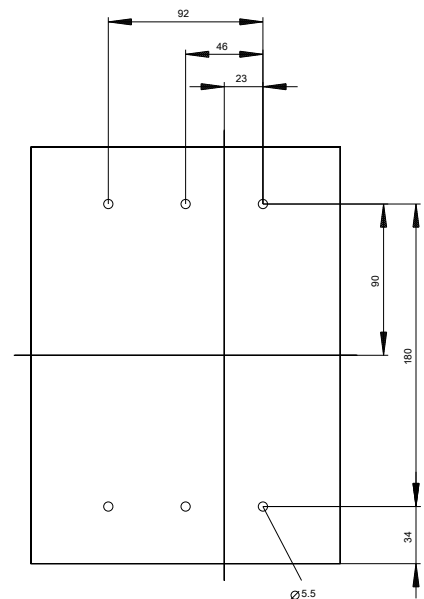
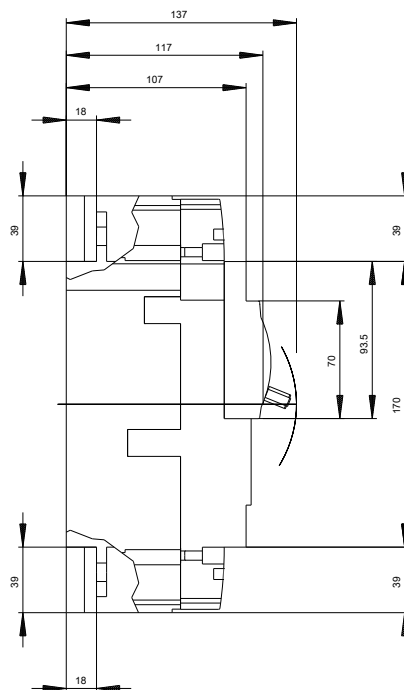
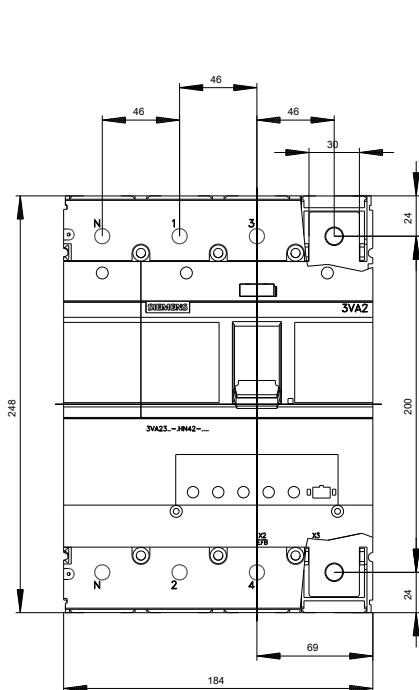


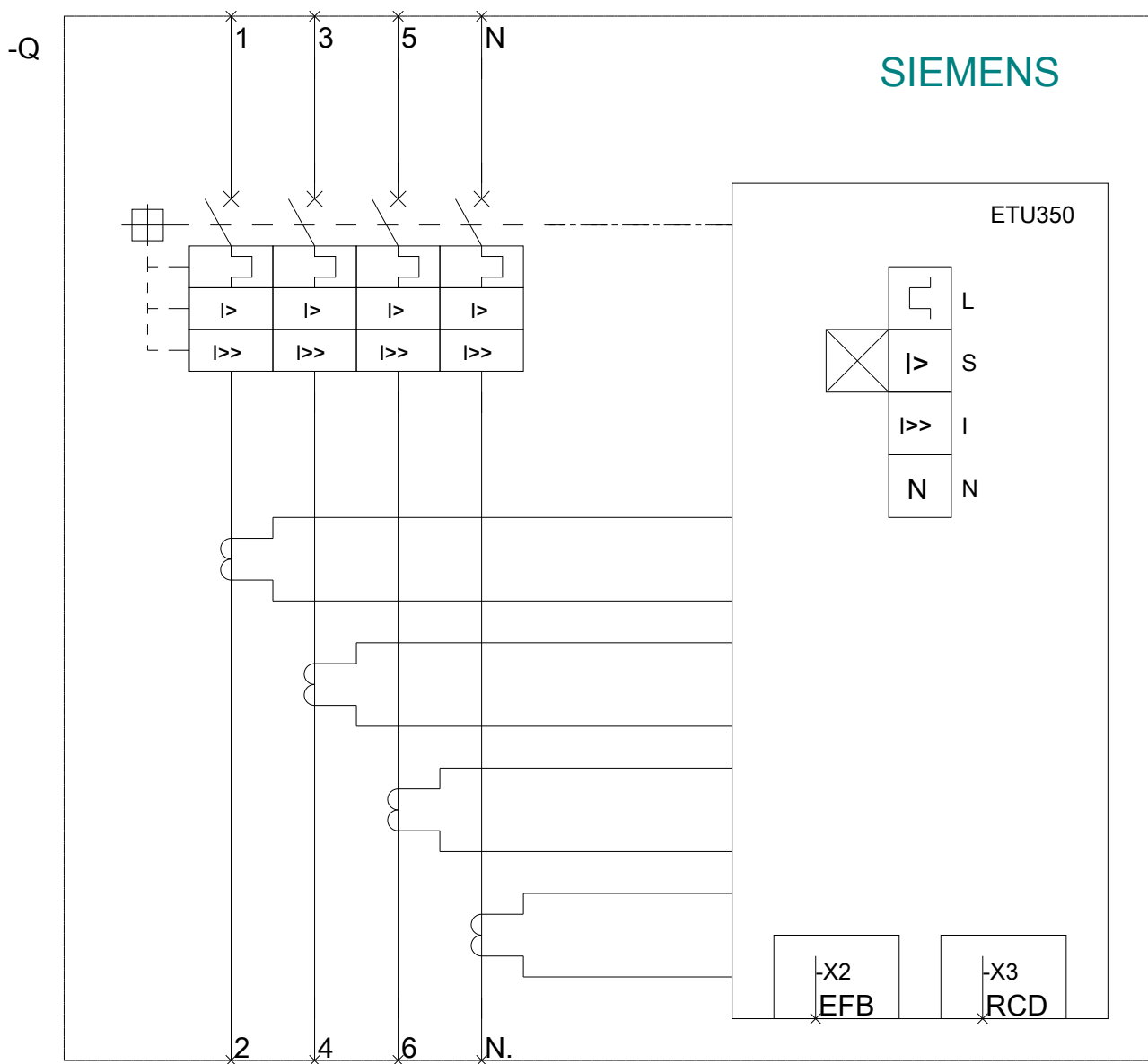
RMRS

[CCS / China Classification Society](#)[Manufacturer Declaration](#)[Miscellaneous](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)<http://www.siemens.com/lowvoltage/catalogs>**Industry Mall (Online ordering system)**<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2340-5HN42-0BC0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-5HN42-0BC0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-5HN42-0BC0**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://www.siemens.com/specifications>





last modified:

09/13/2019