



circuit breaker 3VA2 IEC frame 250 breaking capacity class C
Icu=110kA @ 415V 3-pole, motor protection ETU350M, LSI, In=200A
overload protection Ir=80A...200A short-circuit protection Isd=3...15 x
Ir, li=15 x In nut keeper kit shunt trip (STL) 110-127V DC, AC
50/60Hz 2 auxiliary switches HQ 1 trip alarm switch HQ

Model	
Product brand name	SETRON
Product designation	Molded case circuit breaker
Product version	Motor protection
Design of the overcurrent release	ETU350M
Protective function of the overcurrent release	LSI
Number of poles	3
Design of the auxiliary release	Shunt trip (STL)
Auxiliary contact version	2 auxiliary switches + 1 trip alarm switch HQ
General technical data	
Rated insulation voltage Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Operating power / at AC-3 / at 400 V	75 W
Power loss [W] / maximum	75 W
Latching - endurance	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	10 000
Neutral conductors / upgradeable/retrofitable	No
Ground fault monitoring version	Without

Product function	
• communication function	No
• Phase failure detection	Yes
• other measurement function	No
Net weight	2.284 kg

Current

Max. rated operational current of the frame size	250 A
Rated continuous current I _u	200 A
Operating current	
• at 40 °C	200 A
• at 45 °C	200 A
• at 50 °C	200 A
• at 55 °C	192 A
• at 60 °C	188 A
• at 65 °C	184 A
• at 70 °C	180 A

Switching capacity according to IEC 60947

Switching capacity class of the circuit breaker	C
Maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	150 kA
• at 415 V	110 kA
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	25 kA
Operational short-circuit current breaking capacity (I _{cs})	
• at 240 V	150 kA
• at 415 V	110 kA
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	25 kA
Short-circuit current making capacity (I _{cm})	
• at 240 V	330 kA
• at 415 V	242 kA
• at 440 V	242 kA
• at 500 V	187 kA
• at 690 V	52.5 kA

Adjustable parameters

Adjustable response value current / I _r min.	80 A
Adjustable response value current / I _r max.	200 A
Adjustable response value time / t _r min.	4

Adjustable response value time / tr max.	15
Adjustable response value current / Isd min.	600 A
Adjustable response value current / Isd max.	3 000 A
Short-term delayed / tripping switchable / I2t=ON/OFF	No
Adjustable response value time / tsd min.	0.03 s
Adjustable response value time / tsd max.	0.03 s
Adjustable response value current / li min.	3 000 A
Adjustable response value current / li max.	3 000 A

Mechanical Design

Height	181 mm
Width	105 mm
Depth	86 mm

Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Lug terminal

Auxiliary circuit

Product component	
• undervoltage release	No
• Voltage trigger	Yes
• undervoltage release with leading contact	No
• Trip indicator	Yes
Number of CO contacts / for auxiliary contacts	3

Accessories

Product extension / optional / motor drive	Yes
Manufacturer's article number	
• of the supplied basic switch	3VA2220-7MN32-0AA0
• of the integrated auxiliary switch/alarm switch	3VA9988-0AA12
• of the integrated auxiliary switch/alarm switch	3VA9988-0AB12
• of the integrated auxiliary trip	3VA9688-0BL32

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

Reference code / acc. to DIN EN 81346-2	Q
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General Product Approval	EMC
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CCC



VDE

CB

CB

[Miscellaneous](#)



RCM

Declaration of Conformity	Test Certificates	Shipping Approval	other
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EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)



LRS

[CCS / China Classification Society](#)

[Confirmation](#)

other

[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=3VA2220-7MN32-0JH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2220-7MN32-0JH0>

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

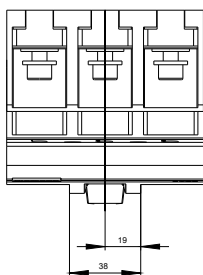
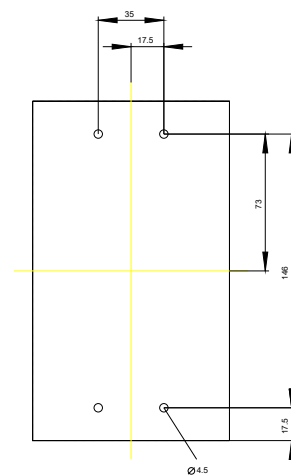
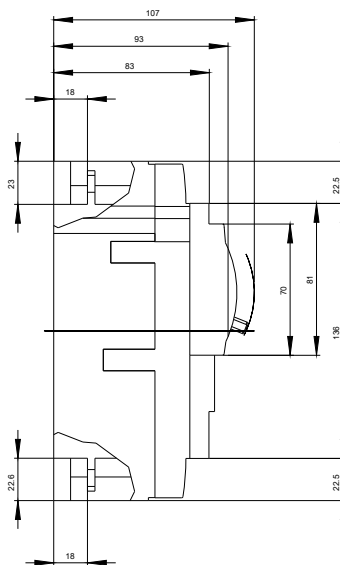
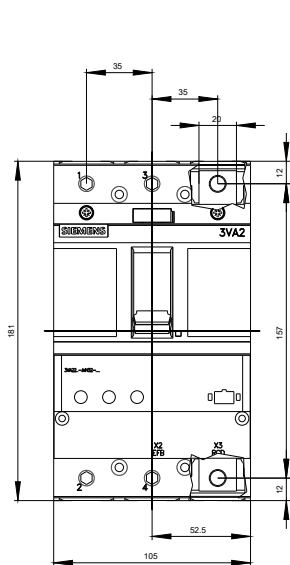
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2220-7MN32-0JH0

CAX-Online-Generator

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

Tender specifications

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



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09/13/2019