



circuit breaker 3VA2 IEC frame 1250 breaking capacity class H Icu=85kA @ 415 V 3-pole, line protection ETU350, LSI, In=1250A overload protection Ir=500A ...1250A short circuit protection Isd=1,5... 10 X Ir, li=10 x In nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	ETU350
protection function of the overcurrent release	LSI
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	516 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	172 W
mechanical service life (operating cycles) / typical	10 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	4 600
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 200
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
Net Weight	23 kg
Current	
continuous current / rated value / maximum	1 250 A
continuous current / rated value	1 250 A
operational current	
• at 40 °C	1 250 A
• at 45 °C	1 250 A
• at 50 °C	1 250 A
• at 55 °C	1 187 A
• at 60 °C	1 125 A
• at 65 °C	1 000 A
• at 70 °C	875 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	35 kA
operating short-circuit current breaking capacity (Ics)	
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	110 kA 85 kA 70 kA 55 kA 19 kA
short-circuit current making capacity (Icm)	
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	242 kA 187 kA 187 kA 121 kA 73.5 kA

Adjustable parameters

product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (I _r) / of the L-trip / with I _{2t} characteristic	
• minimum • maximum	500 A 1 250 A
adjustable response value delay time (t _r) / for L-tripping / with I _{2t} characteristic	
• minimum • maximum	0.5 s 17 s
adjustable response value setting current (I _{sd}) / of S-trip / with I _{2t} characteristic	
• minimum • maximum	1 875 A 12 500 A
adjustable response value delay time (t _{sd}) / for S-tripping / with I _{2t} characteristic	
• minimum • maximum	0.02 s 0.4 s
adjustable response value setting current (I _i) / for I-tripping	
• minimum • maximum	12 500 A 12 500 A
adjustable absolute value setting current (I _{nN}) / for N-tripping	
• minimum • maximum	0 A 0 A
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum • maximum	12 500 A 12 500 A
product function / grounding protection	No

Mechanical Design

product component	
• undervoltage release • voltage trigger • trip indicator	No No No
height [in]	12.6 in
height	320 mm
width [in]	8.27 in
width	210 mm
depth [in]	4.72 in
depth	120 mm

Connections

arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	both sides processed busbar connection piece
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	silver
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver

Auxiliary circuit

number of CO contacts / for auxiliary contacts	0
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Accessories		
product extension / optional / motor drive	No	
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 / according to IEC 81346-2	Q	
General Product Approval		EMC

[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
 EG-Konf.		Miscellaneous Type Test Certificates/Test Report ABS



Marine / Shipping	other	Environment
 RMRS	Confirmation Miscellaneous Miscellaneous	Environmental Confirmations

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3VA2612-6HN32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2612-6HN32-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2612-6HN32-0AA0

CAX-Online-Generator

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

Tender specifications

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

