3VA1150-6MH32-0AA0

Data sheet



circuit breaker 3VA1 IEC frame 160 breaking capacity class H Icu=70kA @ 415V 3-pole, starter protection TM120M, AM, In=50A without overload protection short-circuit protection Ii=7...16 x In nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Starter protection
design of the overcurrent release	TM120M
protection function of the overcurrent release	T
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	14.6 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.87 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	9 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	6 300
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
 communication function 	No
 other measurement function 	No
Net Weight	932 g
Current	
operational current	
• at 40 °C	50 A
● at 45 °C	50 A
● at 50 °C	50 A
● at 55 °C	49 A
• at 60 °C	48 A
● at 65 °C	46 A
● at 70 °C	45 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
• at 415 V	70 kA
• at 440 V	55 kA
● at 500 V	5 kA
● at 690 V	5 kA
operating short-circuit current breaking capacity (Ics)	

* 1240 V		
# 440 V	• at 240 V	100 kA
## 2500 V 5 kA short-circuit current making capacity (lom) ## 2400 V 20 kA ## 415 V 154 kA ## 4400 V 124 kA ## 4400 V 7.5 kA ## 41600 V 7.5 kA ## 5000 V 7.5 kA ##	• at 415 V	70 kA
short-circuit current making capacity (tern) * all 240 V * all 440 V * all 440 V * all 440 V * all 440 V * all 5000 V * 7.5 kM * all 6000 V * 3.5 kM * all 6000 V	• at 440 V	40 kA
short-focus current making capacity (lon) • at 24 97 V 220 kA • at 460 V 121 kA • at 460 V 7.5 kA • at 680 V 7.5 kA • adjustable parameters adjustable parameters adjustable response value setting current (liv) / for I-tripping • ininimum 800 A • maximum 90 A • responded function / grounding protection No Machanial Design product component • undervoltage release No • violage trigger No • tip indicator No • height [n] 5.12 in • tip indicator No height [n] 5.72 in • depth [n] 2.76 in • depth [n] 2.76 in • depth [n] 2.76 in • depth [n] 1.70 mm Connectable conductor cross-sections / for main current circuit byse of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of connectable conductor cross-sections / for flat-bar unmained connection / minimum 10 years of the connection / minimum 10 years of the connection / minimum 10 years of the connection / for tot years of the connection / for years of year	• at 500 V	5 kA
e at 240 V e at 440 V e at 440 V e at 440 V e at 500 V 7.5 kA 7. kA	• at 690 V	5 kA
e 14 15 V 154 150 V 7.5 kA 150 V 7.5 kA 160 V 160 V 7.5 kA 160 V 160 V 17.5 kA 160 V 160	short-circuit current making capacity (Icm)	
e at 440 V e at 500 V 7.5 kA 7	• at 240 V	220 kA
e at 690 V design of short-circuit protection For awkiching power values in DC networks, see the 3VA molded case circuit breaker device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes device manual, link to be found under Service & Support in the last classes of the surface of the manual under Service & Support in the last classes of the surface last class service manual, link to be found under Service & Support in the last classes of the surface last classes device manual, link to be found under Service & Support in the last classes of the surface last classes and last classes and last classes and last	• at 415 V	154 kA
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breaker device manual; link to be found under Service & Support in the last chapter adjustable parameters adjustable response value setting current (ii) / for I-tripping initiation adjustable setting current (inN) / for N-tripping adjustable setting current (inN) / for No adjustable setting current (inN) / for No adjustable sett	• at 690 V	7.5 kA
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General Product Approval

EMC



Confirmation



Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping





Miscellaneous

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other

Environment



CCS / China Classification Society

Miscellaneous

Confirmation

Miscellaneous

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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)

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA1150-6MH32-0AA0

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

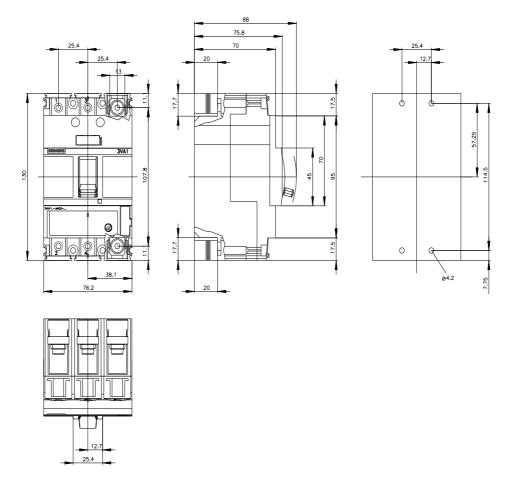
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1150-6MH32-0AA0

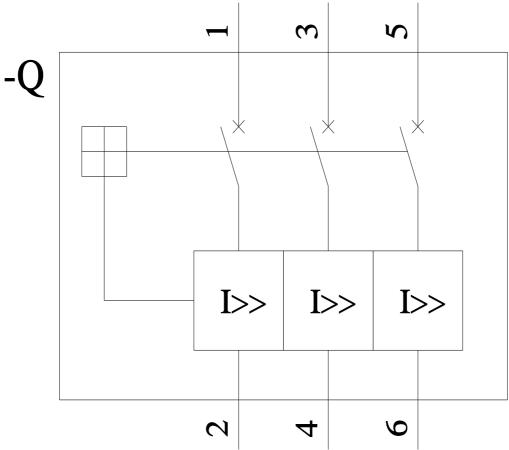
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified: 11/3/2023 🖸

