## 3VA2125-7KP42-0AA0

**Data sheet** 



circuit breaker 3VA2 IEC frame 160 breaking capacity class C Icu=110kA @ 415V 4-pole, line protection ETU850, LSI, In=25A overload protection Ir=10A...25A short-circuit protection Isd=0.6..10x In, Ii=1.5..12x In N conductor protection adjustable (OFF, up to 160%) 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	ETU850
protection function of the overcurrent release	LSI
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	0.6 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.2 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	14 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	9 800
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>other measurement function</li> </ul>	Yes
Net Weight	2.95 kg
Current	
operational current	
• at 40 °C	25 A
• at 45 °C	25 A
● at 50 °C	25 A
● at 55 °C	25 A
• at 60 °C	25 A
• at 65 °C	25 A
• at 70 °C	25 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	150 kA
• at 415 V	110 kA
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (Ics)	

• at 240 V	150 kA
• at 415 V	110 kA
• at 440 V	110 kA
● at 500 V	85 kA
• at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
● at 415 V	242 kA
• at 440 V	242 kA
● at 500 V	187 kA
● at 690 V	3.7 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	10 A
• maximum	25 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	0.5 s
• maximum	25 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	
• minimum	15 A
• maximum	250 A
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	15 A
• maximum	250 A
adjustable response value delay time (tsd) / for S-tripping / with 10t characteristic	
minimum	0.05 s
• maximum	0.5 s
adjustable response value delay time (tsd) / for S-tripping / with 12t characteristic	0.0 \$
• minimum	0.05 s
• maximum	0.5 s
adjustable response value setting current (li) / for I-tripping	
• minimum	38 A
• maximum	300 A
adjustable setting current (InN) / for N-tripping	
• minimum	10 A
• maximum	40 A
design of the N-conductor protection	adjustable OFF; 40% to 160%
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
<ul> <li>voltage trigger</li> </ul>	No
trip indicator	No
height [in]	7.13 in
height	181 mm
width [in]	5.51 in
width	140 mm
depth [in]	3.39 in
depth	86 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	on both sides nut keeper kit
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum	13 x 1 mm
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	25 x 8 mm

tin	
tin	
0	
Yes	
IP40	
-25 °C	
70 °C	
-40 °C	
80 °C	
Q	
	EMC
	tin  0  Yes  IP40  -25 °C  70 °C  -40 °C  80 °C

Confirmation





Miscellaneous





**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report

**Miscellaneous** 

Special Test Certificate



Marine / Shipping





CCS / China Classification Society

**Miscellaneous** 

other

Confirmation

other

**Dangerous Good** 

**Environment** 

**Miscellaneous** 

Transport Information

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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2125-7KP42-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2125-7KP42-0AA0

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

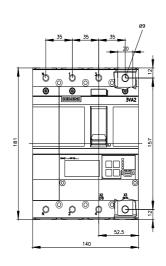
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA2125-7KP42-0AA0

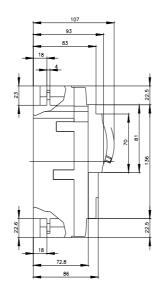
**CAx-Online-Generator** 

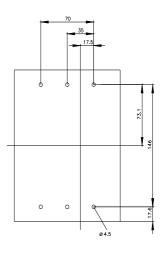
http://www.siemens.com/cax

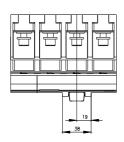
**Tender specifications** 

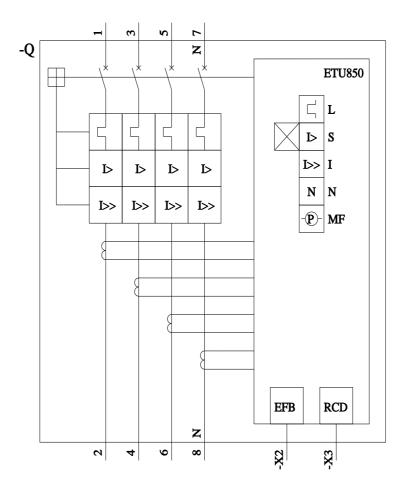
http://www.siemens.com/specifications











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