3VA2125-7HN46-0AA0

## **Data sheet**



circuit breaker 3VA2 IEC frame 160 breaking capacity class C Icu=110kA @ 415V 4-pole, line protection ETU350, LSI, In=25A overload protection Ir=10A...25A short-circuit protection Isd=1.5...10 x Ir, Ii=12 x In N conductor protection adjustable (OFF, 100%) clamp connection

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	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>	No
other measurement function	No
Net Weight	3.125 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 (lcu)	
● 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 (lcs)	

	4-014
• 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	17 s
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
• minimum	37 A
maximum	250 A
adjustable response value delay time (tsd) / for S-tripping / with l2t characteristic	
• minimum	0.0001 s
maximum	0.4 s
adjustable response value setting current (li) / for I-tripping	
• minimum	300 A
maximum	300 A
adjustable setting current (InN) / for N-tripping	
• minimum	25 A
maximum	25 A
design of the N-conductor protection	adjustable OFF; 100%
product function / grounding protection	No
Mechanical Design	
product component	
<ul> <li>undervoltage release</li> </ul>	No
<ul> <li>voltage trigger</li> </ul>	No
trip indicator	No
height [in]	7.13 in
height	181 mm
width [in]	5.51 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (6 - 120 mm²)
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	double-sided box terminal
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) $$	tin
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) $$	tin
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive Environmental conditions	Yes
Environmental conditions	

protection class IP / on the front	IP40	
ambient temperature		
<ul> <li>during operation / minimum</li> </ul>	-25 °C	
<ul> <li>during operation / maximum</li> </ul>	70 °C	
<ul> <li>during storage / minimum</li> </ul>	-40 °C	
<ul> <li>during storage / maximum</li> </ul>	80 °C	
Certificates		
reference code / according to IEC 81346-2	Q	
General Product Approval		EMC

Confirmation





**Miscellaneous** 





**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Special Test Certificate

Type Test Certificates/Test Report

**Miscellaneous** 



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).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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/3VA2125-7HN46-0AA0

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

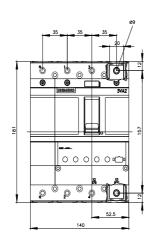
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA2125-7HN46-0AA0

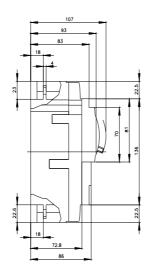
CAx-Online-Generator

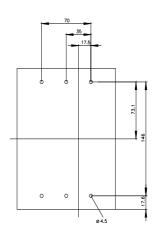
http://www.siemens.com/cax

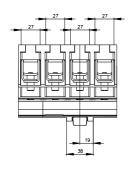
Tender specifications

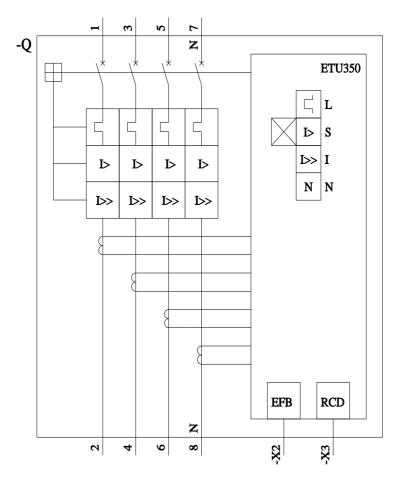
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