3VA2110-6HK46-0AA0

Data sheet



circuit breaker 3VA2 IEC frame 160 breaking capacity class H Icu=85kA @ 415V 4-pole, line protection ETU340, ELISA LI, In=100A overload protection Ir=40A...100A short-circuit protection Ii=15 x In N conductor protection adjustable (OFF, 50%, 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	ETU340
protection function of the overcurrent release	ELISA LI
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	10 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.33 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	
 communication function 	No
other measurement function	No
Net Weight	3.2 kg
Current	
operational current	
• at 40 °C	100 A
• at 45 °C	100 A
• at 50 °C	100 A
• at 55 °C	100 A
• at 60 °C	100 A
• at 65 °C	100 A
• at 70 °C	100 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	110 kA
• at 415 V	85 kA
• at 440 V	85 kA
• at 500 V	55 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (Ics)	

● at 240 V	110 kA
● at 415 V	85 kA
● at 440 V	85 kA
● at 500 V	55 kA
● at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
• at 240 V	242 kA
● at 415 V	187 kA
● at 440 V	187 kA
• at 500 V	121 kA
• at 690 V	3.7 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable current response value current / of the L-trip / with I4t characteristic	40 100 A
adjustable response value delay time (tr) / for L-tripping / with l4t characteristic	
• minimum	1 500 s
maximum	1 500 s
adjustable response value setting current (li) / for I-tripping	
• minimum	1 500 A
maximum	1 500 A
adjustable setting current (InN) / for N-tripping	
• minimum	50 A
maximum	100 A
design of the N-conductor protection	adjustable OFF; 50%; 100%
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
 voltage trigger 	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	Front towning
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	Van
product extension / optional / motor drive	Yes
Environmental conditions	ID40
protection class IP / on the front ambient temperature	IP40
during operation / minimum	-25 °C
during operation / maximum during operation / maximum	70 °C
during operation / maximum during storage / minimum	-40 °C
during storage / minimum during storage / maximum	80 °C
Certificates	
reference code / according to IEC 81346-2	Q
. S. S. On So Sodo / Good falling to ILO O 10-10-2	
General Product Approval	EMC



Confirmation



Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Miscellaneous

Special Test Certificate



Marine / Shipping

other

Dangerous Good



CCS / China Classification Society **Miscellaneous**

Confirmation

Miscellaneous

Transport Information

Environment

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=3VA2110-6HK46-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2110-6HK46-0AA0

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

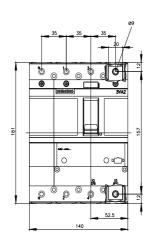
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2110-6HK46-0AA0

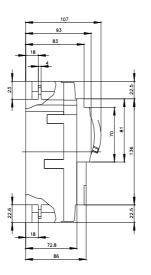
CAx-Online-Generator

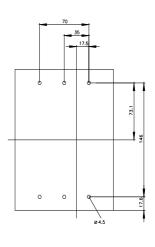
http://www.siemens.com/cax

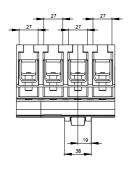
Tender specifications

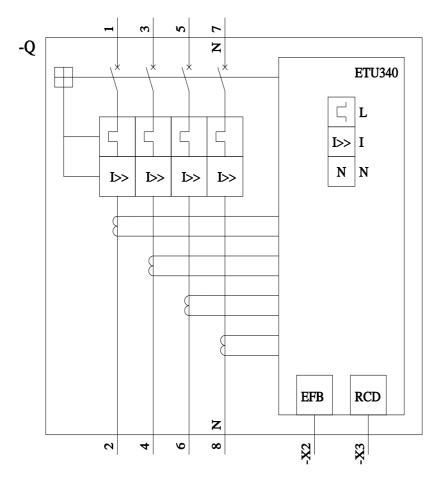
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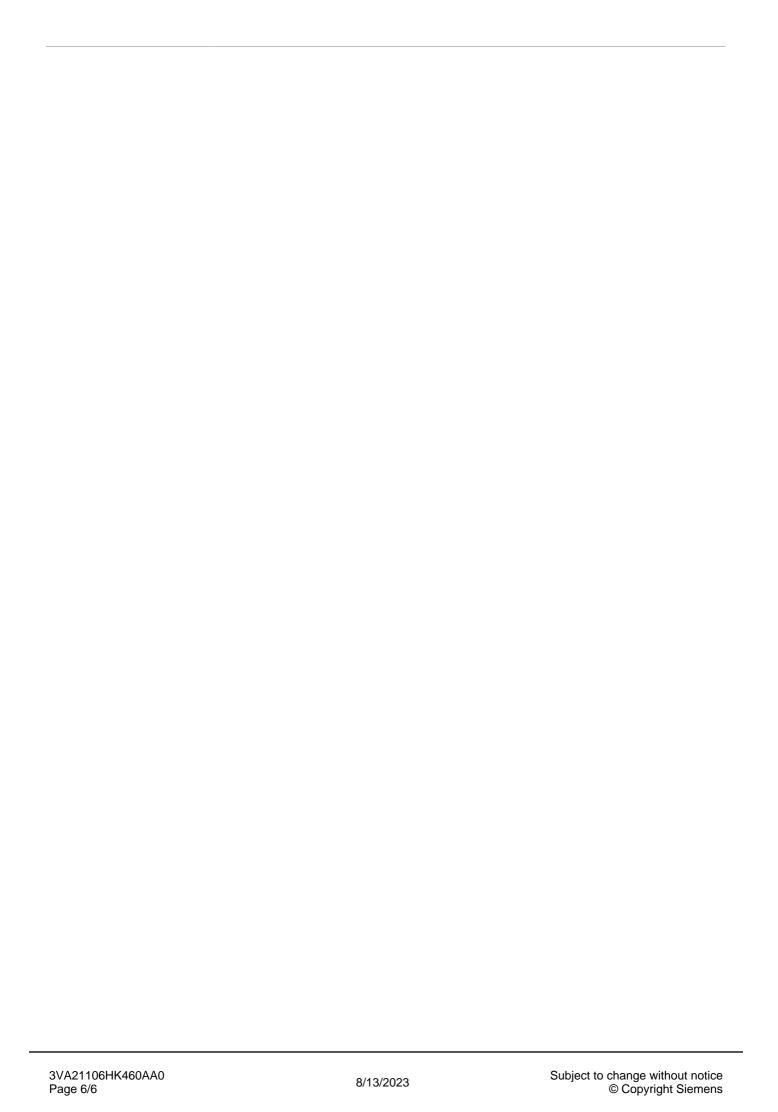








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