3VA2110-5MN32-0AA0

Data sheet



circuit breaker 3VA2 IEC frame 160 breaking capacity class M lcu=55kA @ 415V 3-pole, motor protection ETU350M, LSI, In=100A overload protection Ir=40A...100A short-circuit protection Isd=3...15 x Ir, Ii=15 x In nut keeper kit

Model		
product brand name	SENTRON	
product designation	Molded case circuit breaker	
design of the product	Motor protection	
design of the overcurrent release	ETU350M	
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	
operating power / at AC-3 / at 400 V	55 000 W	
operating power / at AC-3 / at 230 V	30 000 W	
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	
electrical endurance (operating cycles) / at AC-3 / at 380/415 V	5 000	
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No	
ground-fault monitoring version	Without	
product function		
 communication function 	No	
phase failure detection	Yes	
other measurement function	No	
Net Weight	2.13 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	E	
maximum short-circuit current breaking capacity (Icu)		
• at 240 V	85 kA	
● at 415 V	55 kA	

• at 440 V	55 kA
• at 500 V	36 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (lcs)	2.0 NA
• at 240 V	85 kA
• at 415 V	55 kA
• at 440 V	55 kA
	36 kA
• at 500 V	
• at 690 V	2.5 kA
short-circuit current making capacity (lcm)	40714
• at 240 V	187 kA
• at 415 V	121 kA
• at 440 V	121 kA
• at 500 V	75.6 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	40 A
• maximum	100 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	4 s
• maximum	17 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	
• minimum	300 A
• maximum	1 500 A
adjustable response value delay time (tsd) / for S-tripping / with I0t characteristic	
• minimum	0.03 s
• maximum	0.03 s
adjustable response value setting current (Ii) / for I-tripping	
• minimum	1 500 A
• maximum	1 500 A
product function / grounding protection	No
adjustable trip class (Tc CLASS)	10A, 10E, 20E
tripping time (Tp) / with adjustable trip class (Tc CLASS)	
• minimum	4 s
• maximum	17 s
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
trip indicator	No
height [in]	7.13 in
height	181 mm
width [in]	4.13 in
width	105 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
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	Yes
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
reference code / according to IEC 81346-2	Q
Annua vala / Cartificates	

Approvals / Certificates

General Product Approval

EMC



Confirmation



Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping





Miscellaneous

Special Test Certificate





 Marine / Shipping
 other
 Dangerous Good
 Environment

 CCS / China Classification Society
 Miscellaneous
 Confirmation
 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=3VA2110-5MN32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2110-5MN32-0AA0

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

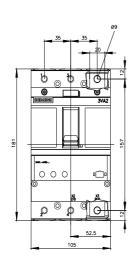
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2110-5MN32-0AA0

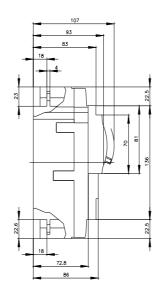
CAx-Online-Generator

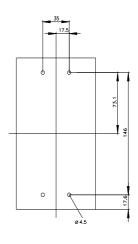
http://www.siemens.com/cax

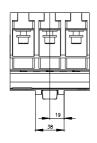
Tender specifications

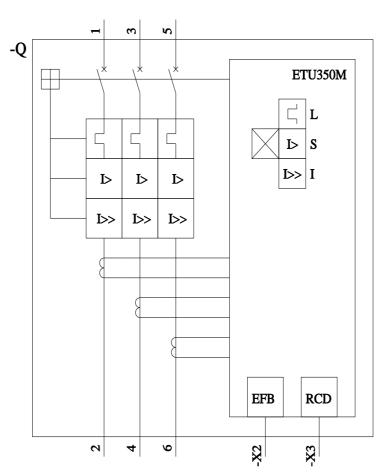
http://www.siemens.com/specifications











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