## 3VA2125-7MN36-0AA0

**Data sheet** 



circuit breaker 3VA2 IEC frame 160 breaking capacity class C lcu=110kA @ 415V 3-pole, motor protection ETU350M, LSI, ln=25A overload protection Ir=10A...25A short-circuit protection Isd=3...15 x Ir, li=15 x In clamp connection

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	11 000 W	
operating power / at AC-3 / at 230 V	5 500 W	
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	
electrical endurance (operating cycles) / at AC-3 / at 380/415 V	10 000	
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	
phase failure detection	Yes	
other measurement function	No	
Net Weight	2.301 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	

-1.440.1/	440 1-4
• at 440 V	110 kA
• at 500 V	85 kA
• at 690 V	2.5 kA
operating short-circuit current breaking capacity (lcs)	
● 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 12t characteristic	
• minimum	10 A
• maximum	25 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	4 s
• maximum	17 s
adjustable response value setting current (lsd) / of S-trip / with l0t characteristic	
• minimum	75 A
• maximum	375 A
adjustable response value delay time (tsd) / for S-tripping / with l0t characteristic	
• minimum	0.03 s
• maximum	0.03 s
adjustable response value setting current (li) / for I-tripping	
• minimum	375 A
• maximum	375 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
product function / grounding protection	No
adjustable trip class (Tc CLASS)	10A, 10E, 20E
	10A, 10L, 20L
tripping time (Tp) / with adjustable trip class (Tc CLASS)	A s
• minimum	4 \$
• maximum	17 s
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]	4.13 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (6 - 120 mm²)
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	double-sided box terminal
design of the surface / of the connections / on the top of the	tin
switch (N, 1, 3, 5)	

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		
<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	
during storage / maximum	80 °C	
Certificates		
reference code / according to IEC 81346-2	Q	
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).

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

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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2125-7MN36-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2125-7MN36-0AA0

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

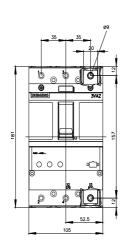
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA2125-7MN36-0AA0

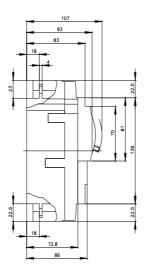
CAx-Online-Generator

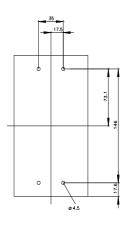
http://www.siemens.com/cax

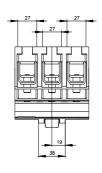
**Tender specifications** 

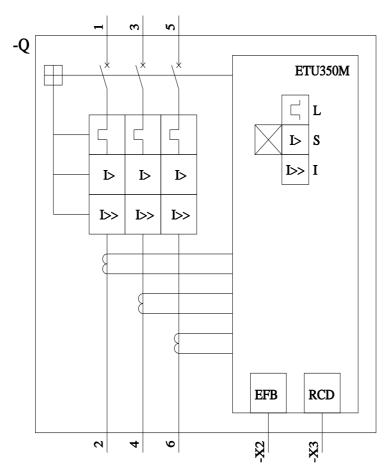
http://www.siemens.com/specifications











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