SIEMENS

Data sheet



circuit breaker 3VA2 IEC frame 630 breaking capacity class C Icu=110kA @ 415V 3-pole, motor protection ETU350M, LSI, In=400A overload protection Ir=160A...400A 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	160 000 W	
operating power / at AC-3 / at 230 V	90 000 W	
power loss [W] / maximum	63.5 W	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	21.17 W	
mechanical service life (operating cycles) / typical	20 000	
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	5 000	
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 500	
electrical endurance (operating cycles) / at AC-3 / at 380/415 V	3 000	
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	4.674 kg	
Current		
short-time withstand current (Icw) / limited to 1 s	5 kA	
operational current		
• at 40 °C	400 A	
• at 45 °C	400 A	
• at 50 °C	400 A	
• at 55 °C	400 A	
• at 60 °C	400 A	
• at 65 °C	400 A	
• at 70 °C	400 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	6 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	6 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	9 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	160 A
• maximum	400 A
adjustable response value delay time (tr) / for L-tripping / with l2t characteristic	
• minimum	4 s
• maximum	17 s
adjustable response value setting current (Isd) / of S-trip / with l0t characteristic	
• minimum	1 200 A
• maximum	6 000 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	6 000 A
maximum	6 000 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
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]	9.76 in
height	248 mm
width [in]	5.43 in
width	138 mm
depth [in]	4.33 in
depth	110 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	20 x 1 mm
type of connectable conductor cross-sections / for flat-bar	35 x 10 mm
• •	

General Product Approval		EMC
Approvals / Certificates		
reference code / according to IEC 81346-2	Q	
during storage / maximum	80 °C	
during storage / minimum	-40 °C	
 during operation / maximum 	70 °C	
 during operation / minimum 	-25 °C	
ambient temperature		
protection class IP / on the front	IP40	
Environmental conditions		
product extension / optional / motor drive	Yes	
Accessories		
number of CO contacts / for auxiliary contacts	0	
Auxiliary circuit		
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6) $$	silver	
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5) $$	silver	
terminal connection / maximum		

Confirmation





Miscellaneous





Declaration of Conformity

Test Certificates

Marine / Shipping



ation Society



Miscellaneous

Special Test Certificate





firmations

 Marine / Shipping
 other
 Dangerous Good
 Environment

 CCS / China Classific Miscellaneous
 Confirmation
 Miscellaneous
 Transport Information
 Environmental Con

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=3VA2440-7MN32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2440-7MN32-0AA0

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

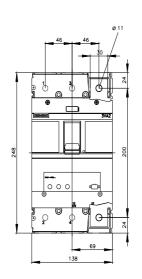
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2440-7MN32-0AA0

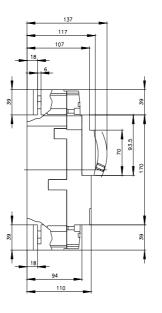
CAx-Online-Generator

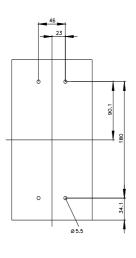
http://www.siemens.com/cax

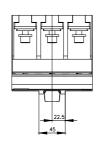
Tender specifications

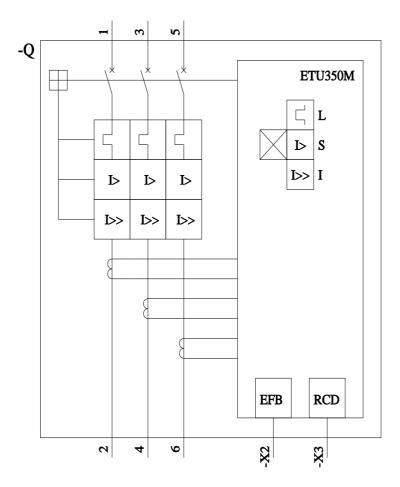
http://www.siemens.com/specifications











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