



circuit breaker 3VA2 IEC Frame 1000 breaking capacity class C Icu=110 kA @ 415 V 3-pole, motor protection ETU350M, LSI, In=630 A overload protection Ir=250 A...630 A short-circuit protection I_{sd}=3...15 x I_r, I_i=15 x I_n 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	315 000 W
operating power / at AC-3 / at 230 V	160 000 W
power loss [W] / maximum	132 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	44 W
mechanical service life (operating cycles) / typical	10 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	4 600
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 200
product feature / for neutral conductors / upgradable/retrofitable / 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	13.963 kg
Current	
operational current	
• at 40 °C	630 A
• at 45 °C	630 A
• at 50 °C	630 A
• at 55 °C	630 A
• at 60 °C	630 A
• at 65 °C	630 A
• at 70 °C	630 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	C
maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	200 kA
• at 415 V	110 kA
• at 440 V	110 kA

• at 500 V • at 690 V	85 kA
operating short-circuit current breaking capacity (Ics)	35 kA
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	150 kA
	85 kA
	70 kA
	65 kA
	19 kA
short-circuit current making capacity (Icm)	
• at 240 V • at 415 V • at 440 V • at 500 V • at 690 V	440 kA
	242 kA
	242 kA
	187 kA
	73.5 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 • maximum	250 A
	630 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum • maximum	4 s
	17 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic	
• minimum • maximum	1 890 A
	9 450 A
adjustable response value delay time (tsd) / for S-tripping / with I0t characteristic	
• minimum • maximum	0.03 s
	0.03 s
adjustable response value setting current (Ii) / for I-tripping	
• minimum • maximum	9 450 A
	9 450 A
adjustable setting current (InN) / for N-tripping	
• minimum • maximum	0 A
	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 • maximum	4 s
	17 s

Mechanical Design

product component	
• undervoltage release • voltage trigger • trip indicator	No
	No
	No
height [in]	12.6 in
height	320 mm
width [in]	8.27 in
width	210 mm
depth [in]	4.72 in
depth	120 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 4 mm
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	50 x 28 mm
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	silver

design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	No
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
Approvals / Certificates	
General Product Approval	



[Confirmation](#)



[Miscellaneous](#)



EMV	Test Certificates	Marine / Shipping			
	Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate		

Marine / Shipping	other				
			CCS (China Classification Society)	Miscellaneous	Confirmation

other	Dangerous goods	Environment			
Miscellaneous	Transport Information	Environmental Confirmations	Environmental Confirmations		

Further information					
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=3VA2563-7MN32-0AA0					
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)					
https://support.industry.siemens.com/cs/ww/en/ps/3VA2563-7MN32-0AA0					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)					
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2563-7MN32-0AA0					
CAx-Online-Generator					
http://www.siemens.com/cax					
Tender specifications					
http://www.siemens.com/specifications					



