SIEMENS

Data sheet

3VA6110-5KT36-0AA0



circuit breaker 3VA6 UL frame 150 breaking capacity class M 35kA @ 480 V 3pole, line protection ETU856, LSI, In=100A overload protection Ir=40A ...100A short-circuit protection Isd=0.6..10x In, Ii=1.5..12x In N conductor protection opt. w. ext. CT; up to 160% ground-fault alarm message via EFB300 or COM cable connection on both sides

Model						
product brand name	SENTRON					
product designation	Molded-case circuit breaker					
product designation / according to UL file	MDAE					
design of the product	System protection					
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes					
design of the overcurrent release	ETU856					
protection function of the overcurrent release	LSI-G-alarm only					
number of poles	3					
General technical data						
insulation voltage / rated value	800 V					
operating voltage / at AC / rated value	690 V					
power loss [W] / maximum	13 W					
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.33 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 480 V	14 000					
electrical endurance (operating cycles) / at 600 V	9 800					
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	Yes					
ground-fault monitoring version	Summation current formation L-conductor					
product function						
 communication function 	Yes					
 other measurement function 	Yes					
Net Weight	2.709 kg					
Current						
marking / according to UL 489 / 100%-rated breaker	No					
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	Μ					
maximum short-circuit current breaking capacity (Icu)						

• at 240 V 85 kA • at 415 V 55 kA • at 4690 V 2.5 kA operating short-circuit current breaking capacity (Ics) 85 kA • at 240 V 85 kA • at 415 V 2.5 kA short-circuit current making capacity (Icm) 85 kA • at 480 V 2.5 kA short-circuit current making capacity (Icm) 187 kA • at 480 V 3.8 kA Switching capacity according to UL 489 3.8 kA current breaking capacity 100 kA • at 480 V 35 kA adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic 100 A • minimum 40 A • maximum 0.5 s adjustable response value delay time (tr) / for L-tripping / with I2t characteristic 0.5 s • minimum 0.5 s • maximum 0.05 s adjustable response value delay time (tsd) / for S-trip / with I0t characteristic 0.05 s • minimum 0.05 s • minimum 0.05 s adjustable response value delay time (tsd) / for S-tripping / with I0t characteristic 0.05 s • minimum 0.05 s	
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IOt characteristic0.05 s• minimum0.05 s• maximum0.8 sadjustable response value delay time (tg) / for G-tripping / with 12t characteristic0.05 s• minimum0.05 s• maximum0.05 s• maximum0.8 sadjustable setting current (InN) / for N-tripping0.2 A• minimum0.2 A• maximum1.6 Aadjustable delay time / of S-trip / with 12t characteristic0.5 sadjustable current response value current / of instantaneous short-circuit trip unit150 A	
• maximum0.8 sadjustable response value delay time (tg) / for G-tripping / with 12t characteristic0.05 s• minimum0.05 s• maximum0.8 sadjustable setting current (InN) / for N-tripping0.2 A• minimum0.2 A• maximum1.6 Aadjustable delay time / of S-trip / with 12t characteristic0.5 sadjustable current response value current / of instantaneous short-circuit trip unit150 A	
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adjustable delay time / of S-trip / with I2t characteristic 0.5 s adjustable current response value current / of instantaneous short-circuit trip unit • minimum 150 A	
adjustable current response value current / of instantaneous short-circuit trip unit • minimum 150 A	
hort-circuit trip unit iminimum 150 A	
• maximum 1 200 A	
product function / grounding protection Yes	'F; 20% to 160%
total break time / for G-tripping / with standard characteristic	F; 20% to 160%
• initial value 0.05 s	F; 20% to 160%
• full-scale value 0.8 s	F; 20% to 160%
lechanical Design product component	F; 20% to 160%

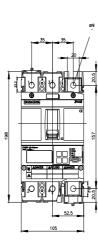
 undervoltage re 	elease	N	0			
 voltage trigger 		N	0			
 trip indicator 		Ν	0			
height [in]		7	.8 in			
height		1	98 mm			
width [in]		4	.13 in			
	type of connectable conductor cross-sections / of the round conductor terminal / stranded		1 x (14 AWG - 1/0)			
width		1	05 mm			
depth [in]		3	3.39 in			
depth			86 mm			
Connections						
arrangement of electr	ical connectors / for main curr	ent circuit F	ront connection			
type of electrical conn	nection / for main current circui	it c	circular conductor terminal on both sides			
Auxiliary circuit						
number of CO contac	ts / for auxiliary contacts	0				
Accessories						
product extension / or	otional / motor drive	Y	es			
Environmental condit	ions					
protection class IP / o	n the front	IF	240			
ambient temperature						
during operation / minimum		-2	25 °C			
during operation / maximum		7	70 °C			
during storage / minimum		-4	-40 °C			
• during storage / maximum		8	80 °C			
Certificates						
reference code / acco	ording to IEC 81346-2	G	1			
certificate of suitability vessels) / supplement	y / as approval for NAVAL (no t SB	combat Y	es			
General Product Ap	proval					
<u>Confirmation</u>		(UL)		<u>Miscellaneous</u>	EAC	
EMC	Declaration of Conform	ity	Marine / Shipping	other		
	CE EG-Konf.	UK CA	ABS	<u>Miscellaneous</u>	<u>Confirmation</u>	

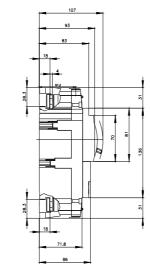
Dangerous Good

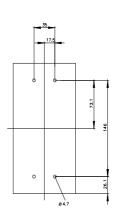
Transport Information

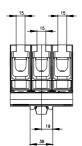
Further information Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the 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=3VA6110-5KT36-0AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA6110-5KT36-0AA0

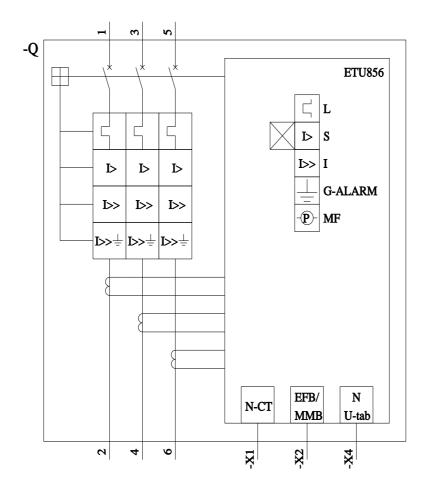
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6110-5KT36-0AA0 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

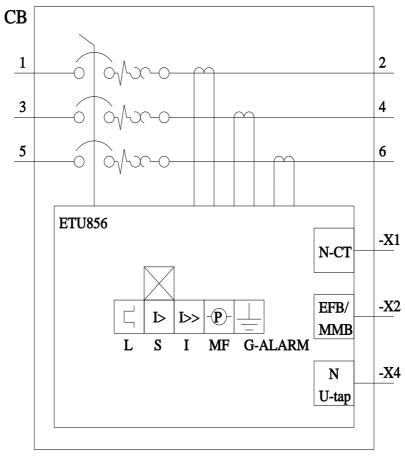












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