SIEMENS

Data sheet

3VA6115-5KM41-2AA0



Circuit breaker 3VA6 UL Frame 150 breaking capacity class M 35kA @ 480V 4pole, Line protection ETU830, LIG, In=150A overload protection, 100% rated Ir=60A...150A Short-circuit protection Ii=1.5...10 x In Ground-fault protection Ig=0.2...1 x In, tg=0.05-0.8s without connection

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	ETU830
protection function of the overcurrent release	LIG
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	29 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9.67 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	No
ground-fault monitoring version	Summation current formation L + N-conductor
product function	
 communication function 	Yes
 other measurement function 	Yes
Net Weight	2.9 kg
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
● at 40 °C	150 A
● at 45 °C	150 A
● at 50 °C	150 A
● at 55 °C	143 A
● at 60 °C	135 A
• at 65 °C	128 A
• at 70 °C	120 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Μ
maximum short-circuit current breaking capacity (Icu)	

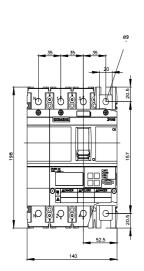
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• • • • • • • • • • • • • • • • • • •	• at 240 V	85 kA
operating bord recut current breaking capacity (its)B• all 240 VB5 kA• all 240 V25 kA• all 240 V25 kA• all 240 V12 l kA• all 240 V100 KA• all 240 V25 S• all 240 V25 A• all 240 V100 KA• all 240 KA30 A• all 240 KA30 A <td>● at 415 V</td> <td>55 kA</td>	● at 415 V	55 kA
• 240 v85A• • • • • • • • • • • • • • • • • • •	• at 690 V	2.5 kA
• • • • • • • • • • • • • • • • • • •	operating short-circuit current breaking capacity (lcs)	
• # 189 \V2 5 kAshort-cross trained making capacity (corr)137 kA• •	• at 240 V	85 kA
shet-chair curve making capacity (cm)F• at 240 Y121 kA• at 645 V121 kA• at 645 V121 kA• at 640 V38 kACurvet treaking capacity according to UL 48900 kA• at 240 Y100 kA• at 240 V100 kA• at 640 V36 kA• at 640 V36 kA• at 640 V160 kA• at 640 V25 kA• at 640 V150 kA• at 700 KA150 kA	• at 415 V	55 kA
4 240 V17 VA• at 415 V121 KA• at 600 V38 KASolution capacity according to UL 489• at 240 V100 KA• at 240 V100 KA• at 600 V18 KA• at 600 V28 SA• at 600 V30 A• at 600 V <td< td=""><td>• at 690 V</td><td>2.5 kA</td></td<>	• at 690 V	2.5 kA
414 SV121 KA436 Control36 KASurverse00 KA436 VA35 KA448 VA35 KA448 VA36 KA418 OV36 KA418 OV20 S418 OV25 KA418 OV30 KA418 OV <td>short-circuit current making capacity (Icm)</td> <td></td>	short-circuit current making capacity (Icm)	
4.000 V3.8 kASwitching capacity	• at 240 V	187 kA
Switching capacity according to UL 449	• at 415 V	121 kA
current breaking capacity IDO LA • • • • • • • • • • • • • • • • • • •	• at 690 V	3.8 kA
current breaking capacity IDO LA • • • • • • • • • • • • • • • • • • •	Switching capacity according to UL 489	
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height 198 mm	height [in]	7.8 in
	height	198 mm

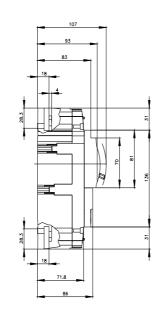
state for the first				
width [in]		5.51 in		
width		140 mm		
depth [in]		3.39 in		
depth	8	36 mm		
Connections			_	_
arrangement of electrical connectors / for main		Nithout connection		
type of electrical connection / for main current	circuit \	Vithout		
uxiliary circuit			_	_
number of CO contacts / for auxiliary contacts	()		
ccessories				
product extension / optional / motor drive		/es		
nvironmental conditions		.		
protection class IP / on the front		P40		
ambient temperature		05.00		
• during operation / minimum		25 °C		
during operation / maximum		70 °C		
during storage / minimum		40 °C		
during storage / maximum ertificates	2	30 °C		
		2		
reference code / according to IEC 81346-2		les		
certificate of suitability / as approval for NAVAI vessels) / supplement SB		165		
General Product Approval				
	UL	UL		
	UL.	UL.		
EMC Declaration of Con	oc	Marine / Shipping		other
EMC Declaration of Con	formity CE EG-Konf.	Marine / Shipping		other Miscellaneous
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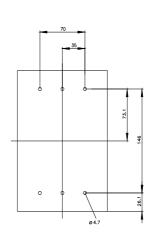
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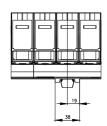
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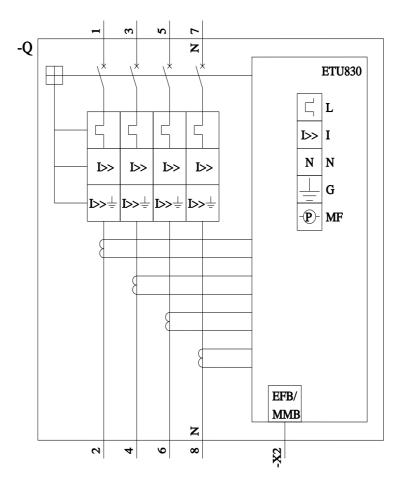
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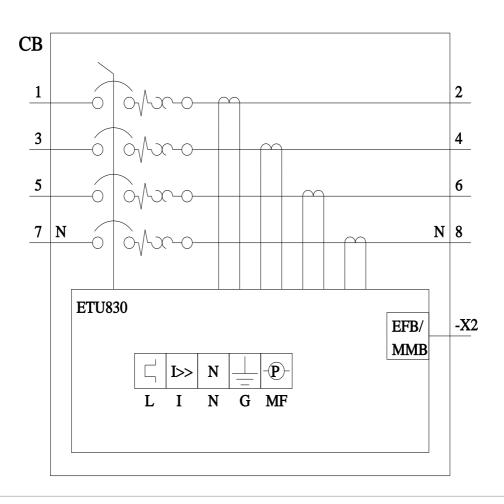












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