SIEMENS

Data sheet

3VA6210-5KM41-2AA0



Circuit breaker 3VA6 UL frame 250 breaking capacity class M 35kA @ 480V 4-pole, Line protection ETU830, LIG, In=100A overload protection, 100% rated Ir=40A...100A Short-circuit protection Ii=1.5...12 x In Ground-fault protection Ig=0.2...1 x In, tg=0.05-0.8s without connection

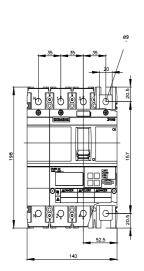
Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	MFAE
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design 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	6.7 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.23 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	12 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	8 400
electrical endurance (operating cycles) / at 480 V	12 000
electrical endurance (operating cycles) / at 600 V	8 400
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	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)	

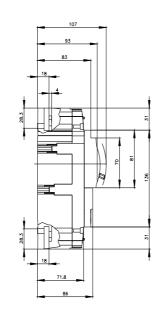
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• at 14 5 V 12 1 kA • at 26 50 V 4.5 kA Switching capacity according to UL-495		
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• maximum1 200 Adesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionYestotal break time / for G-tripping / with standard characteristic0.05 s• initial value0.05 s• full-scale value0.8 sMechanical DesignNo• undervoltage releaseNo• voltage triggerNo• trip indicatorNo		
design of the N-conductor protection adjustable OFF; 20% to 160% product function / grounding protection Yes total break time / for G-tripping / with standard characteristic 0.05 s • initial value 0.05 s • full-scale value 0.8 s Mechanical Design voltage release • voltage trigger No • trip indicator No	• minimum	150 A
product function / grounding protection Yes total break time / for G-tripping / with standard characteristic 0.05 s • initial value 0.05 s • full-scale value 0.8 s Mechanical Design Ves • undervoltage release No • voltage trigger No • trip indicator No	• maximum	1 200 A
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• initial value0.05 s• full-scale value0.8 sMechanical Design	product function / grounding protection	Yes
• full-scale value 0.8 s Mechanical Design product component • undervoltage release No • voltage trigger No • trip indicator No	total break time / for G-tripping / with standard characteristic	
Mechanical Design product component • undervoltage release No • voltage trigger No • trip indicator No	● initial value	0.05 s
product component No • undervoltage release No • voltage trigger No • trip indicator No	full-scale value	0.8 s
• undervoltage release No • voltage trigger No • trip indicator No	Mechanical Design	
voltage trigger No trip indicator No	product component	
• trip indicator No	undervoltage release	No
	voltage trigger	No
height [in] 7.8 in	trip indicator	No
	height [in]	7.8 in

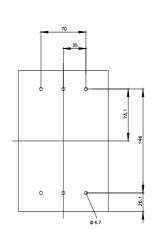
height			00		
•			98 mm		
width [in]			.51 in		
width			40 mm		
depth [in]			.39 in		
depth		8	6 mm		
connections		_			
arrangement of electrical			Vithout connection		
type of electrical connection	on / for main current ci	rcuit V	Vithout		
uxiliary circuit		_			
number of CO contacts / f	or auxiliary contacts	0			
ccessories					
product extension / option		Y	es		
nvironmental conditions	3				
protection class IP / on the	e front	IF	P40		
ambient temperature					
 during operation / n 	ninimum	-2	25 °C		
 during operation / n 	naximum	7	0 °C		
 during storage / min 	nimum	-4	40 °C		
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ertificates					
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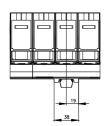
http://www.siemens.com/specifications

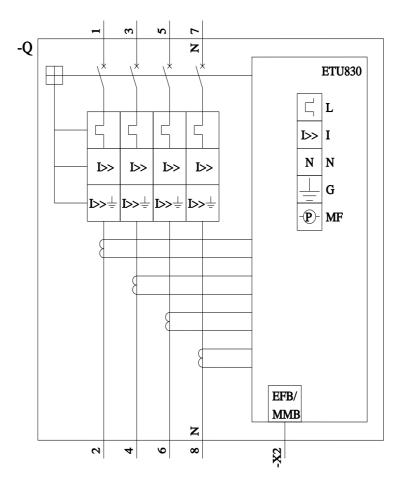
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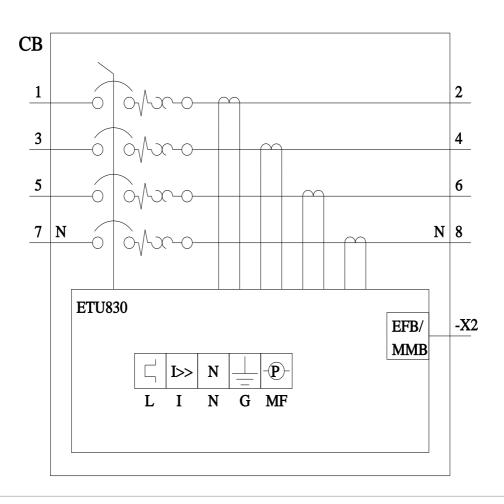












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