# SIEMENS

#### Data sheet

### 3VA6325-5KM36-2AA0



Circuit breaker 3VA6 UL frame 400 breaking capacity class M 35kA @ 480 V 3-pole, Line protection ETU830, LIG, In=250A overload protection, 100% rated Ir=100A ...250A Short-circuit protection Ii=1.5...12 x In Ground-fault protection Ig=0.2... 1 x In, tg=0.05-0.8s cable connection on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	MJAE
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	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	27 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 200
electrical endurance (operating cycles) / at 480 V	6 000
electrical endurance (operating cycles) / at 600 V	4 200
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>other measurement function</li> </ul>	Yes
Net Weight	5.996 kg
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
● at 40 °C	250 A
● at 45 °C	250 A
● at 50 °C	250 A
● at 55 °C	250 A
● at 60 °C	250 A
● at 65 °C	250 A
• at 70 °C	250 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 690 V	5 kA
operating short-circuit current breaking capacity (lcs)	
• at 240 V	85 kA
• at 415 V	55 kA
• at 690 V	5 kA
short-circuit current making capacity (Icm)	
• at 240 V	187 kA
• at 415 V	121 kA
• at 690 V	7.5 kA
Switching capacity according to UL 489	
current breaking capacity	
• at 240 V	100 kA
• at 480 V	35 kA
• at 600 V	18 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with	
l2t characteristic	
• minimum	100 A
• maximum	250 A
adjustable response value delay time (tr) / for L-tripping / with l2t characteristic	
• minimum	0.5 s
• maximum	25 s
adjustable current response value current / for G-tripping / with standard characteristic	
initial value	50 A
• full-scale value	250 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• minimum	0.05 s
• maximum	0.8 s
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum	375 A
• maximum	3 000 A
product function / grounding protection	Yes
total break time / for G-tripping / with standard characteristic	
initial value	0.05 s
• full-scale value	0.8 s
Mechanical Design	
product component	
undervoltage release	No
<ul> <li>voltage trigger</li> </ul>	No
trip indicator	No
height [in]	9.76 in
height	248 mm
width [in]	5.43 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (1 AWG - 600 kcmil)
width	138 mm
depth [in]	4.33 in
depth	110 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front connection
type of electrical connection / for main current circuit	circular conductor terminal on both sides
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes
Environmental conditions	

protection class IP / on	the front		IP40			
ambient temperature						
<ul> <li>during operation</li> </ul>	/ minimum		-25 °C			
<ul> <li>during operation</li> </ul>	/ maximum		70 °C			
<ul> <li>during storage / r</li> </ul>	ninimum		-40 °C			
during storage / maximum		80 °C				
Certificates						
reference code / according to IEC 81346-2		Q				
certificate of suitability / vessels) / supplement S	as approval for NAVAL ( BB	no combat	Yes			
General Product Appr	oval					Declaration of Con- formity
<u>Confirmation</u>	$(\mathbf{m})$	ዓ		<u>Miscellaneous</u>	<b>F A F</b>	CE
	ccc	UL			LIIL	EG-Konf.
Declaration of Con- formity	CCC	other			LIIL Dangerous Good	EG-Konf.

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=3VA6325-5KM36-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6325-5KM36-2AA0

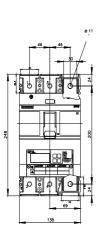
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

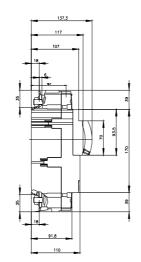
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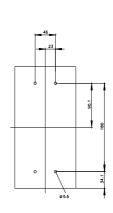
CAx-Online-Generator

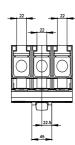
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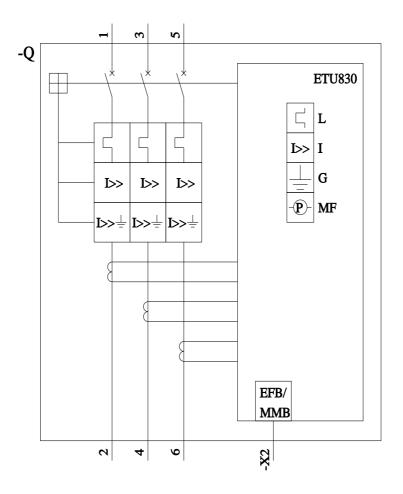
**Tender specifications** http://www.siemens.com/specifications

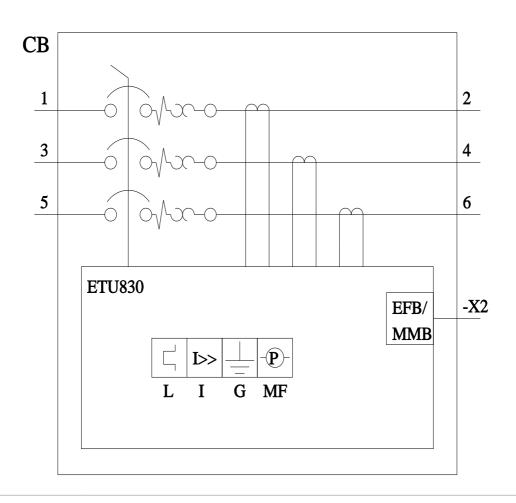












last modified:

8/14/2023 🖸

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