SIEMENS

Data sheet

3VA6440-6KM31-2AA0



Circuit breaker 3VA6 UL Frame 600 breaking capacity class H 65kA @ 480V 3-pole, Line protection ETU830, LIG, In=400A overload protection, 100% rated Ir=160A...400A 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	HLAE
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	70 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	23.33 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	4 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 500
electrical endurance (operating cycles) / at 480 V	4 000
electrical endurance (operating cycles) / at 600 V	3 500
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
 communication function 	Yes
 other measurement function 	Yes
Net Weight	5.3 kg
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
● at 40 °C	400 A
● at 45 °C	400 A
● at 50 °C	400 A
● at 55 °C	400 A
● at 60 °C	400 A
● at 65 °C	400 A
• at 70 °C	400 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
maximum short-circuit current breaking capacity (Icu)	

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height [in] 9.76 in	voltage trigger No	
	• trip indicator No	
height 248 mm	height [in] 9.76 in	
	height 248 mm	
width [in] 5.43 in	width [in] 5.43 in	

width		1	38 mm			
depth [in]		4	4.33 in			
depth		1	10 mm			
Connections						
arrangement of electric	cal connectors / for main	current circuit V	Vithout connection			
type of electrical conne	ection / for main current c	rcuit V	Vithout			
Auxiliary circuit						
number of CO contacts / for auxiliary contacts		0				
Accessories						
product extension / opt	tional / motor drive	Y	′es			
Invironmental condition	ons					
protection class IP / or	the front	I	P40			
ambient temperature						
 during operation 	ı / minimum	-3	25 °C			
 during operation 	ı / maximum	7	0 °C			
 during storage / 	minimum	-4	40 °C			
 during storage / 	maximum	8	0 °C			
Certificates						
reference code / accor	ding to IEC 81346-2	C	2			
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB		(no combat Y	<i>'</i> es			
General Product App	oroval					
<u>Confirmation</u>		(U) u		<u>Miscellaneous</u>	EHC	
EMC	Declaration of Confe	ormity	Marine / Shipping		other	
RCM	EG-Konf.	UK CA	ABS		<u>Confirmation</u>	
other		Dangerous Good				
Miscellaneous	Miscellaneous	Transport Informati	<u>on</u>			
urther information						

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=3VA6440-6KM31-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6440-6KM31-2AA0

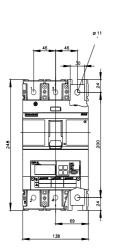
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6440-6KM31-2AA0

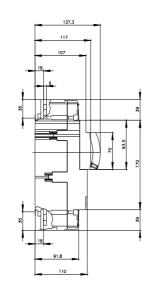
CAx-Online-Generator

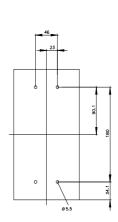
http://www.siemens.com/cax

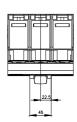
Tender specifications

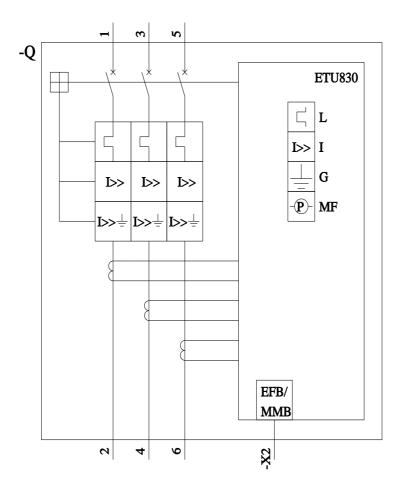
http://www.siemens.com/specifications







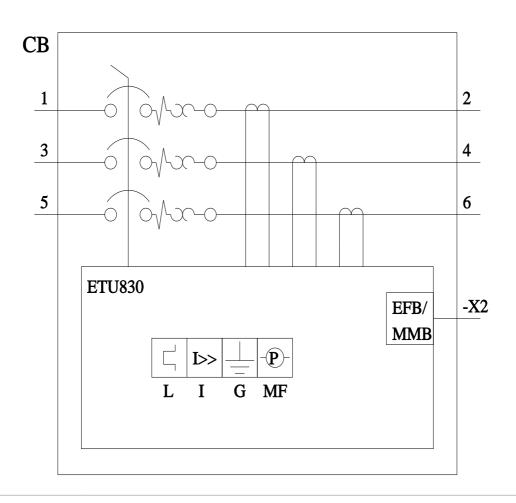




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