SIEMENS

Data sheet

3VA6440-6JT31-2AA0



Circuit breaker 3VA6 UL Frame 600 breaking capacity class H 65kA @ 480V 3pole, Line protection ETU556, LSI, In=400A overload protection, 100% rated Ir=160A...400A Short-circuit protection Isd=0.6..10x In, Ii=1.5..12x In N conductor protection optionally with external CT, up to 160% Ground-fault alarm message via EFB300 or COM 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	ETU556		
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	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	Yes		
ground-fault monitoring version	Summation current formation L-conductor		
product function			
 communication function 	Yes		
 other measurement function 	No		
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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• • 1800 Y• NAoperating which calculate threaking capacity (ics)• 110 AA• • • 1240 Y80 A• • • 1260 V60 A• • • • 1260 V60 A• • • • • 1260 V80 A• • • • • • • • • • • • • • • • • • •	• at 240 V	110 kA
operating short-crucit current breaking capacity (ics) 10 kA • # 24 0V 85 kA • # 600 V 6 kA Short-crucit current making capacity (icm) 6 kA • # 145 V 22 kA • # 145 V 107 kA • # 440 V 24 kA • # 440 V 9 kA Statisting capacity (icm) 00 kA • # 240 V 100 kA • # 140 V 100 kA		
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minimum 0 A 0 A 0 A		
• maximum 0 A		0 A
	adjustable delay time / of S-trip / with I2t characteristic	0.5 s

• maximum 4 design of the N-conductor protection active product function / grounding protection Ye total break time / for G-tripping / with standard characteristic 0. • initial value 0. • full-scale value 0. Mechanical Design 0. product component 0. • undervoltage release Ne • voltage trigger Ne • trip indicator Ne height [in] 9. height [in] 9. depth [in] 4. depth 11 Connections 11 arrangement of electrical connectors / for main current circuit We type of electrical connectors / for main current circuit We Accessories 0 Accessories 0 product extension / optional / motor drive Ye Environmental conditions Ye protection class IP / on the front IP	o o interface o in		
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	0°C		
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	es		
General Product Approval			
		<u>Miscellaneous</u>	EHC
EMC Declaration of Conformity	Marine / Shipping	other	
RCM UK CE RCM UK CE	ABS	<u>Confirmation</u>	<u>Miscellaneous</u>
other Dangerous Good			
Miscellaneous 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=3VA6440-6JT31-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6440-6JT31-2AA0

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

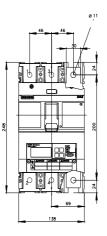
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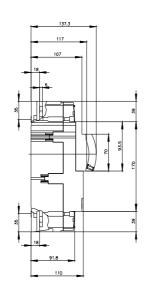
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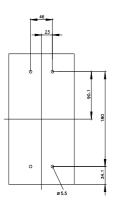
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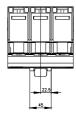
Tender specifications

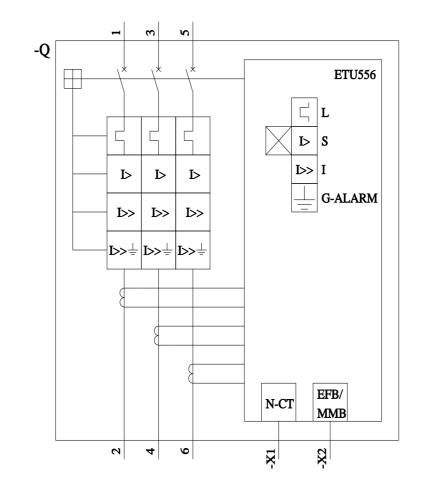
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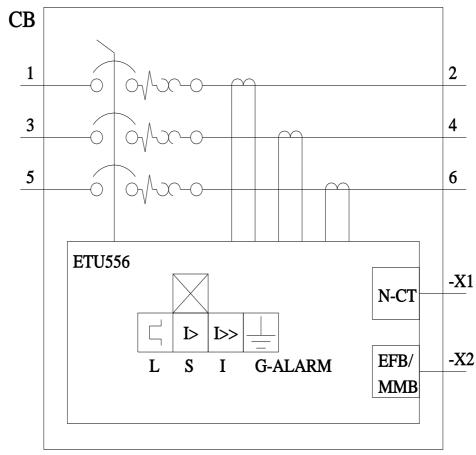












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