3VA6140-7KT36-2AA0

Data sheet



Circuit breaker 3VA6 UL Frame 150 breaking capacity class C 100kA @ 480 V 3-pole, Line protection ETU856, LSI, In=40A overload protection, 100% rated Ir=16A ...40A 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 cable connection on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CDAE
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	ETU856
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	2.4 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.8 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	Yes
ground-fault monitoring version	Summation current formation L-conductor
product function	
 communication function 	Yes
 other measurement function 	Yes
Net Weight	2.46 kg
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
• at 40 °C	40 A
• at 45 °C	40 A
• at 50 °C	40 A
• at 55 °C	40 A
• at 60 °C	40 A
• at 65 °C	40 A
● at 70 °C	40 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (Icu)	

• at 450 V • at 460 V		
est 60 V 2.5 kA	• at 240 V	150 kA
Separating short-circuit current breaking capacity (les)		
# 12-40 V		2.5 KA
# ±14 15 V		45014
### 1690 V 2.5 kA ### 1415 V 320 NA ### 1415 V 321 NA ### 1420 V 320 NA ### 1420 V 335 NA ### 1420 NA ###		
### data		
* at 240 V		2.5 KA
* a14 5 V		000 1-4
Switching capacity according to UL 489 current treating capacity		
Courrent breaking capacity		3.8 KA
# 12 40 V		
* at 480 V * at 600 V * 35 kA **Adjustable parameters** adjustable response value setting current (ir/) of the L-trip / with 12 characteristic * niminum * naximum * 40 A adjustable response value setting current (isd) / of S-trip / with 10 characteristic * niminum * naximum * 400 A adjustable response value delay time (isd) / for S-tripping / with 10 characteristic * niminum * naximum * naximum * naximum * naximum * naximum * naximum * navimum * naximum * niminum * naximum * na		000 4
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18 A 40 A		
maximum 40 A		
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type of connectable conductor cross-sections / of the round 1 x (14 AWG 1/0)		
conductor terminal / stranded		
	conductor terminal / stranded	(2)

105 mm		
3.39 in		
86 mm		
Front connection		
circular conductor terminal on both sides		
0		
Yes		
Environmental conditions		
IP40		
-25 °C		
70 °C		
-40 °C		
80 °C		
Certificates		
Q		
Yes		

Confirmation







Miscellaneous



Declaration of Conformity

Marine / Shipping

other

Dangerous Good







Confirmation

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=3VA6140-7KT36-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6140-7KT36-2AA0

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

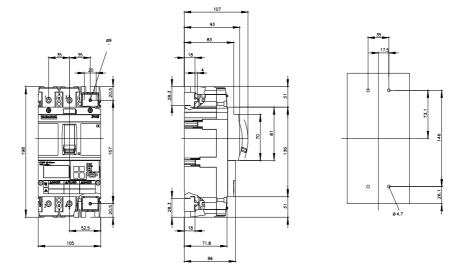
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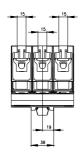
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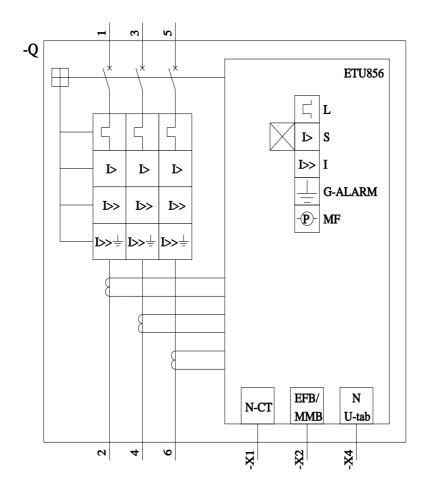
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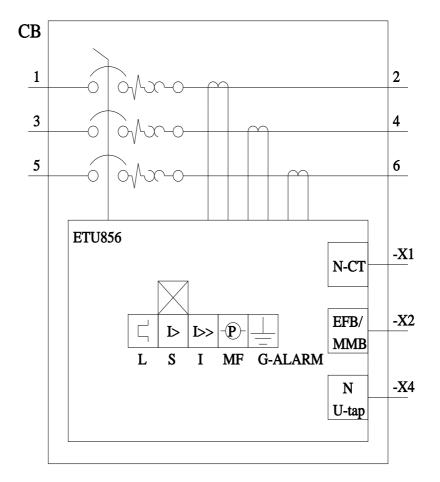
Tender specifications

http://www.siemens.com/specifications









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