SIEMENS

Data sheet

3VA5150-5ED11-1AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class M 35kA @ 277V 1-pole, line protection TM210, FTFM, In=50A overload protection Ir=50A fixed short-circuit protection Ii=10 x In UL 489 SB (naval), 50° C without connection

product brand name product designation Molded-case circuit breaker MEAM design of the product design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type) design of the load switch / according to UL 489 / High-Intensity- Discharge circuit breaker (HID Type) design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type) design of the overcurrent release protection function of the overcurrent release ILI number of poles General technical data operating voltage / at AC / rated value power loss [W] / maximum power loss [W] / for rated value of the current / at AC / in hot protection to the contract of the contract of the current / at AC / in hot protection to the contract of the current / at AC / in hot protection to the contract of the current / at AC / in hot production to the current / at AC / in hot production to the current / at AC / in hot production to the current / at AC / in hot production that / according to UL 489 / Switching Duty production function of the current / at AC / in hot
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power loss [W] / maximum 4 W power loss [W] / for rated value of the current / at AC / in hot 4 W
power loss [W] / for rated value of the current / at AC / in hot 4 W
operating state / per pole
mechanical service life (operating cycles) / typical 20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V 8 000
electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000
electrical endurance (operating cycles) / at 480 V 8 000
electrical endurance (operating cycles) / at 600 V 4 000
product feature / for neutral conductors / upgradable/retrofittable No / short-circuit and overload proof
ground-fault monitoring version without
product function
• communication function No
• other measurement function No
Net Weight 0.38 kg
Current
marking / according to UL 489 / 100%-rated breaker No
operational current
• at 40 °C 50 A
• at 45 °C 49 A
• at 50 °C 48 A
• at 55 °C 47 A
• at 60 °C 46 A
• at 65 °C 45 A
• at 70 °C 44 A

For switching power values in DC networks, see the 24A molded case clrouble between two chapter	switching capacity class of the circuit breaker	M
a st 120 V a st 277 V a 55 kA a st 277 V a st 347 V a st 3		· ·
** 1120 V	Switching capacity according to UL 489	
* at 277 V * at 347 V * 18 kA	current breaking capacity	
Adjustable parameters adjustable response value setting current (ir) / of the L-trip / with 12t characteristic • minimum • maximum 1	• at 120 V	85 kA
Adjustable parameters adjustable response value setting current (ir/) of the L-trip / with IZI characteristic • ininimum	● at 277 V	35 kA
12 characteristic	● at 347 V	18 kA
adjustable response value setting current (ir) / of the L-tirp / with 12t characterists or maximum 50 A • maximum 50 A adjustable response value delay time (ir) / for L-tirpping / with 12t characterists or maximum 1s adjustable response value setting current (iii) / for I-tirpping 1s adjustable response value setting current (iii) / for I-tiripping 1s on maximum 500 A adjustable response value setting current (iii) / for I-tiripping 1s on maximum 500 A adjustable setting current (inN) / for N-tripping 1s on maximum 50 A adjustable setting current (inN) / for N-tripping 1s on maximum 50 A adjustable current response value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on seven value current / of the current 1sp on A adjustable current 1sp on sevalue current / of the current 1sp on A adjustable current 1sp on sevalue current / of the current 1sp on A adjustable current 1sp on sevalue current / of the current 1sp on A adjustable current 1sp on sevalue 2sp on A adjustable current 1sp on A adjustable extends 2sp on A adjustable e	Adjustable parameters	
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adjustable response value delay time (tr) / for L-tripping / with 2t characteristic nazimum 1 s s s s s s s s s	• minimum	50 A
characteristic • minimum • minimum • maximum adjustable response value setting current (ii) / for I-tripping • minimum • no A • maximum 0 A adjustable setting current (rinn) / for N-tripping • minimum 0 A • maximum 0 A adjustable current response value current / of the current- dependent overdad release product function / grounding protection No • cestantical Design product function / grounding protection • undervoltage release • voltage trigger • trip indicator • trip indicator • trip indicator No height [in] • trip indicator And minimum depth [in] • depth [in] • depth [in] • out in	• maximum	50 A
adjustable response value setting current (ii) / for I-tripping		
adjustable response value setting current (iii) / for I-tripping	• minimum	1 s
• minimum 500 A • maximum 500 A adjustable setting current (InN) / for N-tripping • minimum 0 A • maximum 0 A • undervoltage release 0 No • voltage trigger 0 No • voltage trigger 1 No • beight [in] 140 mm • width [in] 1 In 1 • minimum 0 A • maximum 0 A • during storage / minimum 0 A • during storage / maximum 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitability / as approval for NAVAL (no combat 0 A • certificate of suitabilit	maximum	1 s
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during operation / maximum during storage / minimum during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat Yes	ambient temperature	
• during storage / minimum • during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat Yes	during operation / minimum	-25 °C
during storage / maximum 80 °C Certificates certificate of suitability / as approval for NAVAL (no combat Yes	during operation / maximum	70 °C
Certificates certificate of suitability / as approval for NAVAL (no combat Yes	during storage / minimum	-40 °C
Certificates certificate of suitability / as approval for NAVAL (no combat Yes		80 °C
certificate of suitability / as approval for NAVAL (no combat		

Confirmation









Miscellaneous

General Product Approval

EMC

Declaration of Conformity

Test Certificates

Marine / Shipping









Type Test Certificates/Test Report



Marine / Shipping

other









Miscellaneous

Confirmation

other

Miscellaneous

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=3VA5150-5ED11-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5150-5ED11-1AA0

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

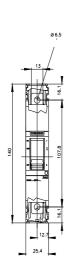
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5150-5ED11-1AA0

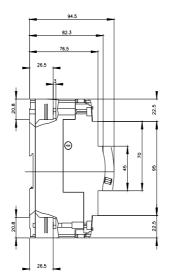
CAx-Online-Generator

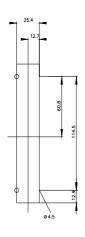
http://www.siemens.com/cax

Tender specifications

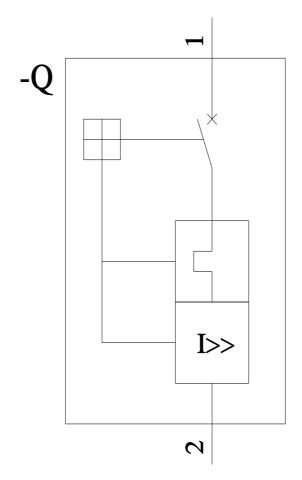
http://www.siemens.com/specifications

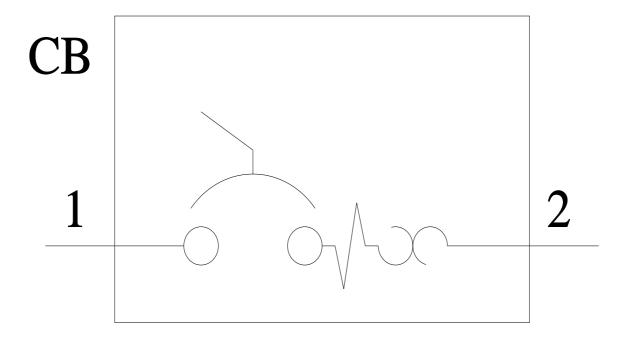












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