3VA5135-5ED26-1AA0

Data sheet



circuit breaker 3VA5 UL frame 125 breaking capacity class M 35kA @ 480 V 2-pole, line protection TM210, FTFM, In=35A overload protection Ir=35A fixed short-circuit protection Ii=10 x In UL489 SB (naval), 50 deg. cel. cable connection on both sides

product designation / according to UL file MEAM MEAM MEAM MEAM MEAM MEAM MEAM MEA	Model	
product designation / according to UL file	product brand name	SENTRON
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 (ISVID Type) design of the load switch / according to UL 489 / Switching Duty circuit breaker (ISVID Type) design of the overcurrent release protection function of the overcurrent function overcurrent function overcurrent overcurrent overcurrent function overcurrent functi	product designation	Molded-case circuit breaker
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refigeration circult 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 load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type) design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type) design of the overcurrent release TM210 protection function of the overcurrent release ILI number of poles 2 Coneral technical data operating voltage / at AC / rated value power loss [W] / maximum 7.6 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V electrical endurance (operating cycles) / at AC-1 / at 680 V electrical endurance (operating cycles) / at 480 V	product designation / according to UL file	MEAM
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 TM210 protection function of the overcurrent release LI number of poles 2 Coneral technical data operating voltage / at AC / rated value operating voltage / at AC / rated value operating voltage / at AC / rated value operating state / per pole mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V electrical endurance (operating cycles) / at AC-1 / at 380/415 V electrical endurance (operating cycles) / at AC-1 / at 680 V electrical endurance (operating cycles) / at 800 V electr	design of the product	System protection
design of the load switch / according to UL 489 / Switching Duty circuit treaker (SWD Type) design of the overcurrent release protection function of the overcurrent release III number of poles 2 Ceneral technical data operating voltage / at AC / rated value prower loss [W] / maximum power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V electrical endurance (operating cycles) / at AC-1 / at 690 V electrical endurance (operating cycles) / at AC-0 V product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version product function • communication function • other measurement function No Net Weight Curront marking / according to UL 489 / 100%-rated breaker operational current • at 40 °C • at 50 °C • at 60 °C • at		Yes
design of the overcurrent release TM210 protection function of the overcurrent release LI number of poles 2 Ceneral technical data operating voltage / at AC / rated value 415 V power loss [W] / maximum 7.6 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical 20 000 electrical endurance (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 AC-1 / at 690 V 4 000 electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000 product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without product function • communication function • other measurement function No Net Weight Operational current • at 40 °C • at 55 °C • at 45 °C • at 60 °C • at 65 °C • 33 A • at 60 °C • at 65 °C • 33 A • at 60 °C • at 65 °C • 32 A		Yes
protection function of the overcurrent release LI number of poles 2 General technical data operating voltage / at AC / rated value 415 V power loss [W] / maximum 7.6 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole mechanical service life (operating cycles) / typical 20 000 electrical endurance (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 380/415 V 8 000 electrical endurance (operating cycles) / at AC-1 / at 690 V 4 000 electrical endurance (operating cycles) / at 80 V 8 000 electrical endurance (operating cycles) / at 600 V 4 000 product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without product function No No Note measurement function No No Note operational current • at 40 °C 35 A 34 A		No
number of poles 2	design of the overcurrent release	TM210
General technical data operating voltage / at AC / rated value	protection function of the overcurrent release	LI
operating voltage / at AC / rated value 415 V power loss [W] / maximum 7.6 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 7.6 W 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 / short-circuit and overload proof ground-fault monitoring version without product function No Net Weight 0.657 kg Current marking / according to UL 489 / 100%-rated breaker No operational current • at 40 °C • at 50 °C • at 55 °C • at 65 °C • 33 A • at 60 °C • at 65 °C • 33 A • at 60 °C • at 65 °C	number of poles	2
power loss [W] / maximum 7.6 W	General technical data	
power loss [W] / for rated value of the current / at AC / in hot 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 / short-circuit and overload proof ground-fault monitoring version without product function No • other measurement function No Net Weight 0.657 kg Current marking / according to UL 489 / 100%-rated breaker No operational current • at 40 °C 35 A • at 45 °C 34 A • at 55 °C 33 A • at 60 °C 33 A • at 60 °C 33 A • at 65 °C 32 A	operating voltage / at AC / rated value	415 V
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 / short-circuit and overload proof ground-fault monitoring version without product function No • ormmunication function No Net Weight 0.657 kg Current marking / according to UL 489 / 100%-rated breaker No operational current • at 40 °C 35 A • at 45 °C 34 A • at 55 °C 33 A • at 60 °C 33 A • at 65 °C 32 A	power loss [W] / maximum	7.6 W
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 / short-circuit and overload proof ground-fault monitoring version without product function • communication function • other measurement function No Net Weight Current marking / according to UL 489 / 100%-rated breaker operational current • at 40 °C • at 45 °C • at 45 °C • at 45 °C • at 45 °C • at 60 °C • at 65 °C 33 A • at 60 °C 32 A		3.8 W
electrical endurance (operating cycles) / at AC-1 / at 690 V electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 600 V product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version vithout product function ocommunication function No Not Weight Current marking / according to UL 489 / 100%-rated breaker operational current otal 40 °C otal 45 °C	mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at 480 V electrical endurance (operating cycles) / at 600 V product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version product function communication function other measurement function No No Net Weight Current marking / according to UL 489 / 100%-rated breaker operational current at 40 °C at 45 °C at 60 °C at 66 °C at 65 °C 32 A	electrical endurance (operating cycles) / at AC-1 / at 380/415 V	8 000
electrical endurance (operating cycles) / at 600 V product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version product function communication function other measurement function No Net Weight Current marking / according to UL 489 / 100%-rated breaker operational current at 40 °C at 45 °C at 45 °C at 55 °C at 60 °C at 65 °C 32 A other measurement function And And at 000 No No No No No And And And And And And And An	electrical endurance (operating cycles) / at AC-1 / at 690 V	4 000
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof ground-fault monitoring version without product function • communication function No • other measurement function No Net Weight 0.657 kg Current marking / according to UL 489 / 100%-rated breaker No operational current • at 40 °C 35 A • at 45 °C 34 A • at 50 °C 34 A • at 55 °C 33 A • at 60 °C 33 A • at 60 °C 32 A	electrical endurance (operating cycles) / at 480 V	8 000
/ short-circuit and overload proof ground-fault monitoring version • communication function • other measurement function No Net Weight Current marking / according to UL 489 / 100%-rated breaker operational current • at 40 °C • at 45 °C • at 55 °C • at 65 °C • at 65 °C at 65 °C without without No No No No 3.5 A 3.4 A 3.4 A 3.5 A 3.7 A 3.8 A 3.8 A 3.9 A 3.0 A	electrical endurance (operating cycles) / at 600 V	4 000
product function		No
 ◆ communication function No Nother measurement function No Net Weight 0.657 kg Current marking / according to UL 489 / 100%-rated breaker No operational current • at 40 °C • at 45 °C • at 45 °C • at 50 °C • at 55 °C • at 60 °C • at 60 °C • at 65 °C 32 A 	ground-fault monitoring version	without
● other measurement function No Net Weight Current marking / according to UL 489 / 100%-rated breaker operational current ● at 40 °C • at 45 °C • at 55 °C • at 55 °C • at 65 °C 33 A • at 65 °C 32 A	product function	
Net Weight 0.657 kg Current marking / according to UL 489 / 100%-rated breaker No operational current 	 communication function 	No
Current marking / according to UL 489 / 100%-rated breaker No operational current 35 A • at 40 °C 35 A • at 45 °C 34 A • at 50 °C 34 A • at 55 °C 33 A • at 60 °C 33 A • at 65 °C 32 A	 other measurement function 	No
marking / according to UL 489 / 100%-rated breaker No operational current 35 A • at 40 °C 35 A • at 45 °C 34 A • at 50 °C 34 A • at 55 °C 33 A • at 60 °C 33 A • at 65 °C 32 A	Net Weight	0.657 kg
operational current • at 40 °C • at 45 °C • at 50 °C • at 55 °C • at 60 °C • at 65 °C 32 A	Current	
 at 40 °C at 45 °C at 50 °C at 55 °C at 60 °C at 65 °C 32 A 	marking / according to UL 489 / 100%-rated breaker	No
 at 45 °C at 50 °C at 55 °C at 60 °C at 65 °C 33 A at 65 °C 32 A 	operational current	
 at 50 °C at 55 °C at 60 °C at 65 °C 33 A 33 A 33 A 34 A 33 A 33 A 34 A 33 A 32 A 	• at 40 °C	35 A
• at 55 °C 33 A • at 60 °C 33 A • at 65 °C 32 A	• at 45 °C	34 A
• at 60 °C 33 A • at 65 °C 32 A	• at 50 °C	34 A
• at 65 °C 32 A	● at 55 °C	33 A
	• at 60 °C	33 A
• at 70 °C 32 A	• at 65 °C	32 A
	● at 70 °C	32 A

switching capacity class of the circuit breaker	M
design of short-circuit protection	For switching power values in DC networks, see the 3VA molded case circuit breaker device manual; link to be found under Service & Support in the last
Switching capacity according to UL 489	chapter
current breaking capacity	OF ItA
• at 240 V	85 kA
• at 480 V	35 kA
• at 600 Y/347 V	18 kA
Adjustable parameters	
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum	35 A
• maximum	35 A
adjustable response value delay time (tr) / for L-tripping / with I2t	•
characteristic	
• minimum	1s
• maximum	1s
adjustable response value setting current (li) / for I-tripping	
• minimum	350 A
• maximum	350 A
adjustable setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	0 A
adjustable current response value current / of the current-dependent overload release	35 35 A
product function / grounding protection	No
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
• trip indicator	No
height [in]	5.51 in
height	140 mm
width [in]	2 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (8 AWG - 3/0)
width	50.8 mm
depth [in]	3.01 in
depth	76.5 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	No
Environmental conditions	
	ID40
protection class IP / on the front	IP40
ambient temperature	05.00
during operation / minimum	-25 °C
during operation / maximum	70 °C
during storage / minimum	-40 °C
during storage / maximum	80 °C
Certificates	
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

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=3VA5135-5ED26-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5135-5ED26-1AA0

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

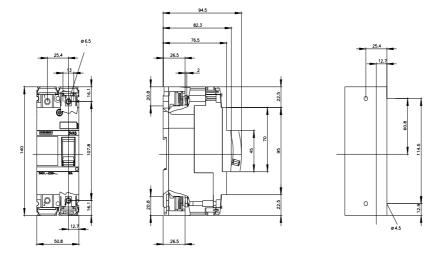
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5135-5ED26-1AA0

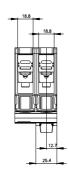
CAx-Online-Generator

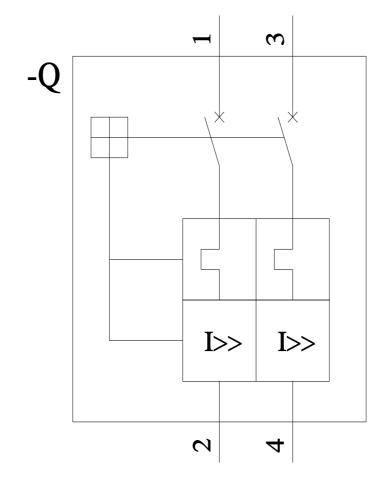
http://www.siemens.com/cax

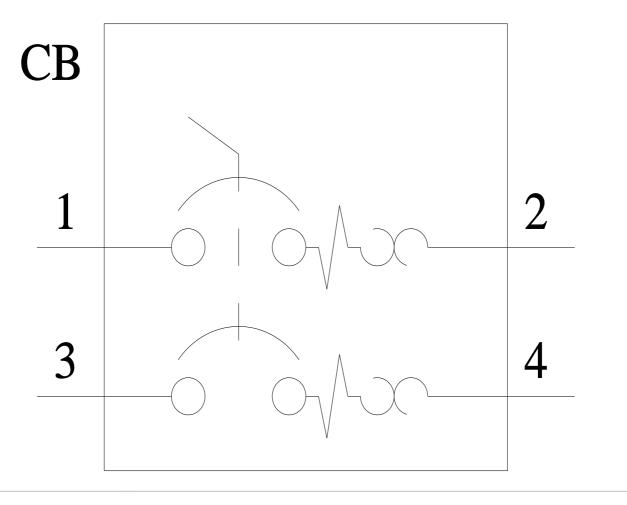
Tender specifications

http://www.siemens.com/specifications









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