



circuit breaker 3VA4 UL frame 125 breaking capacity class S 25kA @ 480 V 2-pole, line protection TM210, FTFM, In=35A overload protection Ir=35A fixed short-circuit protection li=10 x In clamp connection

Model	
product brand name	SETRON
product designation	Molded-case circuit breaker
product designation / according to UL file	SEAB
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 load switch / according to UL 489 / High-Intensity-Discharge circuit breaker (HID Type)	Yes
design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)	No
design of the overcurrent release	TM210
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	6.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.25 W
mechanical service life (operating cycles) / typical	15 000
electrical endurance (operating cycles) / at 480 V	8 000
electrical endurance (operating cycles) / at 600 V	4 000
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
• communication function	No
• other measurement function	No
Net Weight	0.514 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	33 A
• at 55 °C	33 A
• at 60 °C	32 A
• at 65 °C	31 A
• at 70 °C	30 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	S
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 chapter

Switching capacity according to UL 489

current breaking capacity

- at 240 V
- at 480 Y/277 V
- at 480 V
- at 600 Y/347 V

65 kA
25 kA
25 kA
14 kA

Adjustable parameters

adjustable response value delay time (tr) / for L-tripping / with I2t characteristic

- minimum
- maximum

1 s
1 s

product function / grounding protection

No

Mechanical Design

product component

- undervoltage release
- voltage trigger
- trip indicator

No
No
No

height [in]

5.09 in

height

129.4 mm

width [in]

2 in

type of connectable conductor cross-sections / of the round conductor terminal / stranded

1 x (14 AWG - 8 AWG)

width

50.8 mm

depth [in]

2.96 in

depth

75.1 mm

Connections

arrangement of electrical connectors / for main current circuit

output side: circular conductor connection

type of electrical connection / for main current circuit

Infeed side: Low tab

design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)

Tin

Auxiliary circuit

number of CO contacts / for auxiliary contacts

0

Accessories

product extension / optional / motor drive

No

Environmental conditions

protection class IP / on the front

IP40

ambient temperature

- during operation / minimum
- during operation / maximum
- during storage / minimum
- during storage / maximum

-25 °C
70 °C
-40 °C
80 °C

Certificates

General Product Approval

EMC

other



[Miscellaneous](#)



[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=3VA4135-4ED24-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA4135-4ED24-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA4135-4ED24-0AA0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





