



circuit breaker 3VA5 UL frame 250 breaking capacity class M 35kA @ 480 V 3-pole, line protection TM210, FTFM, In=25A overload protection Ir=25A fixed short circuit protection Ii=14 x In Al-lug, line and load side

Model	
product designation / according to UL file	MFAS
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)	No
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	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	750 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	14.2 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.7 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/retrofitable / short-circuit and overload proof	No
product function	
• communication function	No
• other measurement function	No
Net Weight	2330 g
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
• at 40 °C	25 A
• at 45 °C	24.3 A
• at 50 °C	23.6 A
• at 55 °C	23 A
• at 60 °C	22.3 A
• at 65 °C	21.6 A
• at 70 °C	20.9 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	M
maximum short-circuit current breaking capacity (Icu)	

• at 240 V • at 415 V • at 690 V	85 kA		
	55 kA		
	7 kA		
operating short-circuit current breaking capacity (Ics)			
• at 240 V • at 415 V • at 690 V	85 kA		
	55 kA		
	7 kA		
short-circuit current making capacity (Icm)			
• at 240 V • at 415 V • at 690 V	187 kA		
	121 kA		
	11.9 kA		
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 V • at 600 V	85 kA		
	35 kA		
	18 kA		
Adjustable parameters			
product function / grounding protection	No		
Mechanical Design			
product component			
• undervoltage release • voltage trigger • trip indicator	No		
	No		
	No		
height [in]	7.28 in		
height	185 mm		
width [in]	4.13 in		
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (14 AWG - 1/0)		
width	105 mm		
depth [in]	3.27 in		
depth	83 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		
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver		
Auxiliary circuit			
number of CO contacts / for auxiliary contacts	0		
Accessories			
product extension / optional / motor drive	Yes		
manufacturer's article number			
• of the supplied basic switch	3VA52855ED362AA0		
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			
reference code / according to IEC 81346-2	Q		
General Product Approval	Declaration of Conformity	Marine / Shipping	other

[Confirmation](#)



[Miscellaneous](#)

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,...)

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA5285-5ED36-2AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA5285-5ED36-2AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5285-5ED36-2AA0

CAX-Online-Generator

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

Tender specifications

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





