



circuit breaker 3VA5 UL frame 250 breaking capacity class H 65kA @ 480 V 3-pole, line protection TM240, ATAM, In=125A without overload protection Ir=100A ...125A short circuit protection Ii=5...10 x In Al-lug, line and load side

Model	
product designation / according to UL file	HFAS
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	TM240
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	23 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.5 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	125 A
• at 45 °C	121 A
• at 50 °C	116 A
• at 55 °C	112 A
• at 60 °C	108 A
• at 65 °C	103 A
• at 70 °C	99 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	H
maximum short-circuit current breaking capacity (Icu)	

• at 240 V • at 415 V • at 690 V	100 kA 70 kA 10 kA
operating short-circuit current breaking capacity (Ics) • at 240 V • at 415 V • at 690 V	100 kA 70 kA 10 kA
short-circuit current making capacity (Icm) • at 240 V • at 415 V • at 690 V	220 kA 154 kA 17 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	100 kA 65 kA 25 kA
Adjustable parameters	
adjustable response value setting current (I _r) / of the L-trip / with I ₂ t characteristic • minimum • maximum	100 A 125 A
adjustable response value delay time (t _r) / for L-tripping / with I ₂ t characteristic • minimum • maximum	1 s 1 s
adjustable response value setting current (I _i) / for I-tripping • minimum • maximum	625 A 1 250 A
adjustable absolute value setting current (I _N) / for N-tripping • minimum • maximum	0 A 0 A
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 (6 AWG - 350 kcmil)
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	3VA52126EF362AA0
Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	

- 25 °C
70 °C
-40 °C
80 °C

reference code / according to IEC 81346-2	Q		
General Product Approval		Declaration of Conformity	Marine / Shipping



EAC

UK
CA

CE
EG-Konf.



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.

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=3VA5212-6EF36-2AA0>

[Service&Support \(Manuals, Certificates, Characteristics, FAQs,...\)](#)

<https://support.industry.siemens.com/cs/ww/en/ps/3VA5212-6EF36-2AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5212-6EF36-2AA0

Cx-Online-Generator

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

Tender specifications

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





