3VA4140-6ED24-1AA0

Data sheet



circuit breaker 3VA4 UL frame 125 breaking capacity class H 65kA @ 480 V 2-pole, line protection TM210, FTFM, In=40A overload protection Ir=40A fixed short-circuit protection Ii=10 x In UL489 SB (naval), 50 deg. cel. clamp connection

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HEAM
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)	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	2
General technical data	
operating voltage / at AC / rated value	415 V
power loss [W] / maximum	7 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.5 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/retrofittable / 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	40 A
• at 45 °C	40 A
• at 50 °C	40 A
• at 55 °C	39 A
• at 60 °C	39 A
• at 65 °C	38 A
• at 70 °C	37 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	н
design of short-circuit protection	For switching power values in DC networks, see the 3VA molded case circuit

Current breaking capacity		_				
Current breaking capacity						
	Switching capacity according to UL 489					
	current breaking capacity					
at 480 V7 47 V 25 kA Adjustable parameters adjustable response value delay time (tr) / for L-tripping / with 12t characteristic minimum maximum maximum maximum motehanical Design product function / grounding protection Motehanical Design product component undervoltage release voltage trigger in indicator in in indicator in indicator in i	• at 240 V	100 kA				
• at 600 Y/347 V 25 kA Adjustable parameters adjustable response value delay time (tr) / for L-tripping / with 12t characteristic • minimum 1s	• at 480 Y/277 V	65 kA				
Adjustable parameters adjustable response value delay time (tr) / for L-tripping / with 12t characteristic minimum	• at 480 V	65 kA				
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product function / grounding protection Machanical Design product component	• minimum	1 s				
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Certificates certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB Yes	 during storage / minimum 	-40 °C				
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	 during storage / maximum 	80 °C				
vessels) / supplement SB	Certificates					
General Product Approval FMC other		Yes				
Time of the control o	General Product Approval		EMC	other		





Miscellaneous





Confirmation

other

<u>Miscellaneous</u> <u>Miscellaneous</u>

Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business 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=3VA4140-6ED24-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA4140-6ED24-1AA0

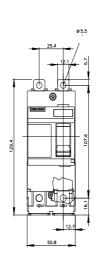
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA4140-6ED24-1AA0

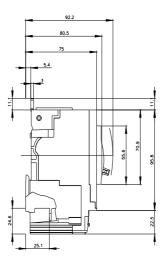
CAx-Online-Generator

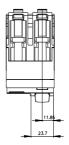
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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