3VA5225-0BB35-0AA0

Data sheet



molded case switch 3VA5 UL frame 250 max short-circuit curr. rating 65kA a 480 V 3-pole MCS110, In=250A without overload protection SELF PROTECTION Ii=10 x In Al-lug, line side

Model				
product brand name	SENTRON			
product designation	Molded-case circuit breaker			
product designation / according to UL file	HFAS			
Product version	Molded case switch			
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	MCS110			
protection function of the overcurrent release	T. Control of the Con			
number of poles	3			
General technical data				
rated insulation voltage Ui	800 V			
Max. rated operational voltage Ue with DC	750 V			
operating voltage / at AC / rated value	690 V			
power loss [W] / maximum	54.4 W			
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	18.13 W			
mechanical service life (switching cycles) / typical	20 000			
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	8 000			
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	4 000			
electrical endurance (switching cycles) / at 480 V	8 000			
electrical endurance (switching cycles) / at 600 V	4 000			
Neutral conductors / upgradeable/retrofittable	No			
ground-fault monitoring version	without			
product function				
 communication function 	No			
other measurement function	No			
Net Weight	2200 g			
Current				
marking / according to UL 489 / 100%-rated breaker	No			
operational current				
• at 40 °C	250 A			
● at 45 °C	244 A			
● at 50 °C	239 A			

● at 55 °C	233 A	4			
● at 60 °C	227 A				
● at 65 °C	222 A				
• at 70 °C	216 A				
Switching capacity according to IEC 60947					
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				
Adjustable parameters					
Ground fault protection / tripping switchable / I2t=ON/OFF	No				
Mechanical Design					
height [in]	7.28 in				
Height	185 mm				
width [in]	4.13 in				
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	line-side circular conductor terminal				
Type of connectable conductor cross-section, round conductor terminal, stranded	1 x (6 AWG - 350 kcmil)				
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver				
Auxiliary circuit					
product component					
 undervoltage release 	No				
 voltage trigger 	No				
trip indicator	No				
number of CO contacts / for auxiliary contacts	0				
Accessories	Accessories				
product extension / optional / motor drive	Yes				
Environmental conditions					
protection class IP / on the front	IP40				
ambient temperature					
during operation / minimum	-25 °C				
during operation / maximum	70 °C				
 during storage / minimum 	-40 °C				
during storage / maximum	80 °C				
Certificates					
reference code / according to IEC 81346-2	Q				
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes				
General Product Approval		EMC	Declaration of Conformity		



Confirmation









Marine / Shipping

other



Miscellaneous

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=3VA5225-0BB35-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5225-0BB35-0AA0

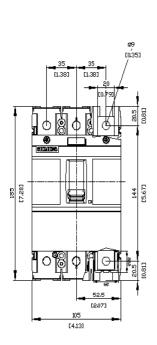
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=3VA5225-0BB35-0AA0

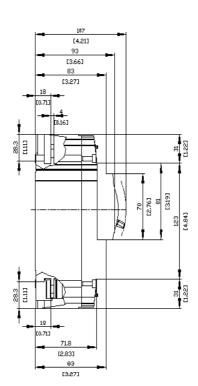
CAx-Online-Generator

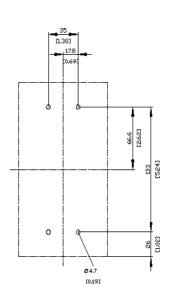
http://www.siemens.com/cax

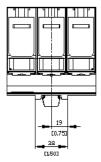
Tender specifications

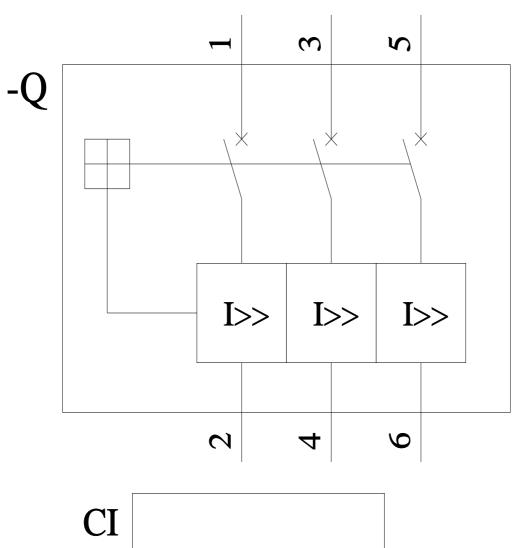
http://www.siemens.com/specifications

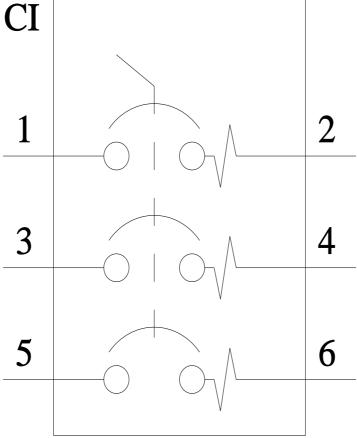












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