







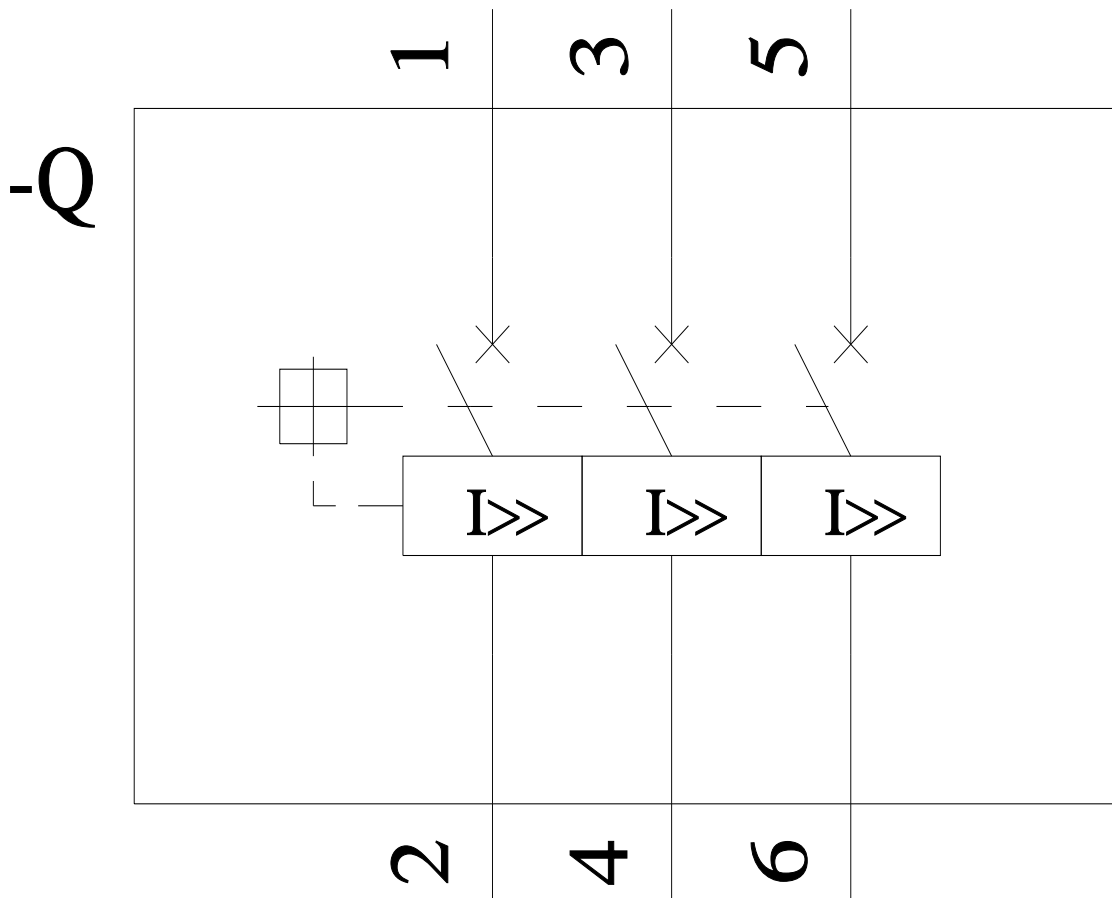
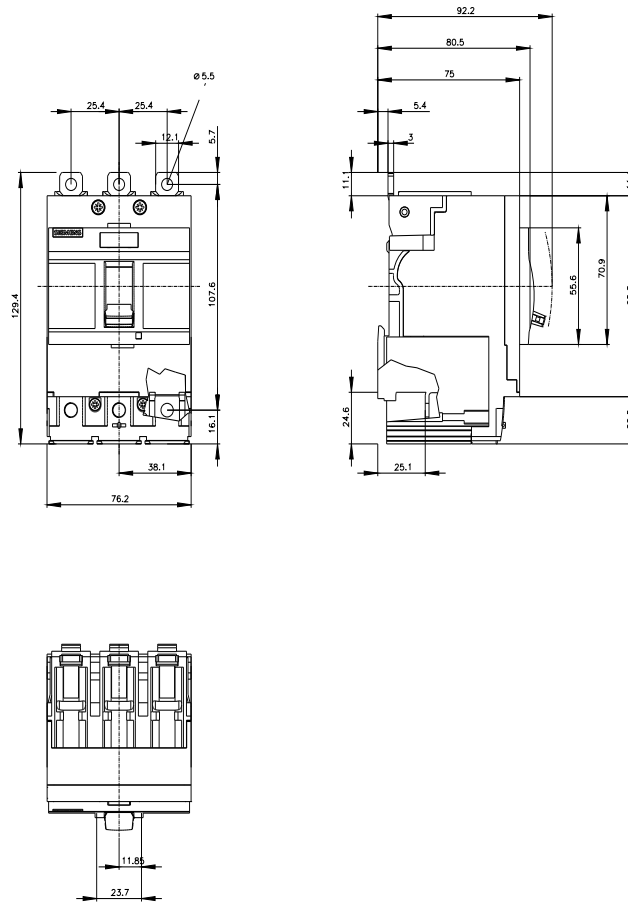
molded case switch 3VA4 UL frame 125 max. sh-circ breaking capacity 65kA @ 480 V 3-pole, line protection MCS110, In=100A without overload protection self-protection li=16 x In clamp connection

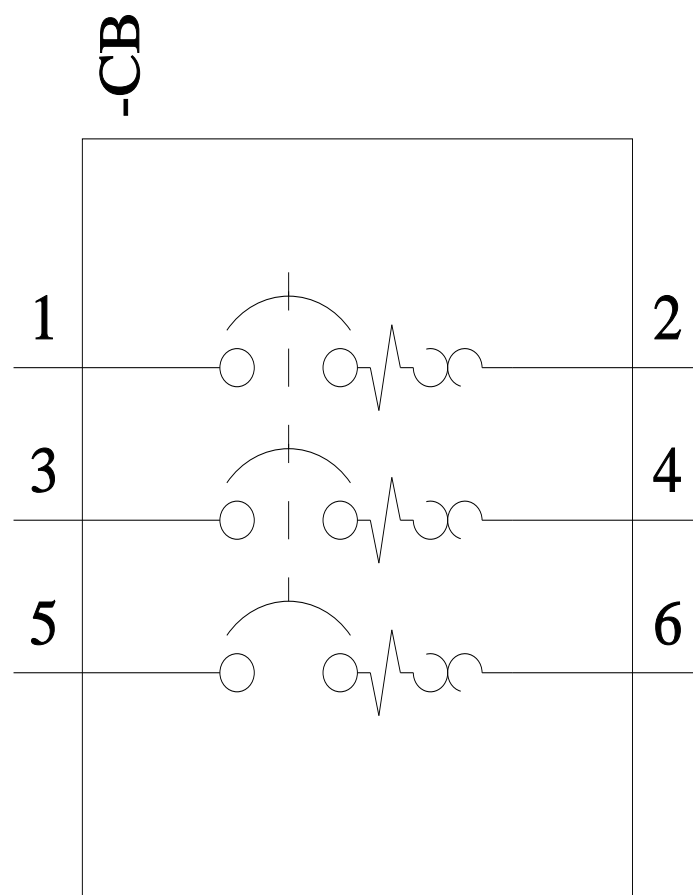
Model	
product brand name	SETRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HEAB
design of the product	molded case switch
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design 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	I
number of poles	3
General technical data	
operating voltage / at AC / rated value	600 V
power loss [W] / maximum	18.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	6.2 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	0.743 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	100 A
• at 45 °C	100 A
• at 50 °C	100 A
• at 55 °C	100 A
• at 60 °C	100 A
• at 65 °C	97 A
• at 70 °C	94 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			
product function / grounding protection		No	
Mechanical Design			
product component			
• undervoltage release		No	
• voltage trigger		No	
• trip indicator		No	
height [in]		5.09 in	
height		129.4 mm	
width [in]		3 in	
type of connectable conductor cross-sections / of the round conductor terminal / stranded		1 x (8 AWG - 3/0)	
width		76.2 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		-25 °C	
• during operation / maximum		70 °C	
• during storage / minimum		-40 °C	
• during storage / maximum		80 °C	
Approvals / Certificates			
General Product Approval		EMV	other
		Miscellaneous	
			
			Confirmation
other		Environment	

other		Environment	
Miscellaneous	Miscellaneous	Environmental Con- firmations	

Further information
<p>Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875</p> <p>Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs</p> <p>Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA4110-1BB34-0AA0</p> <p>Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA4110-1BB34-0AA0</p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA4110-1BB34-0AA0</p> <p>CAX-Online-Generator http://www.siemens.com/cax</p> <p>Tender specifications http://www.siemens.com/specifications</p>





last modified:

4/3/2025 

