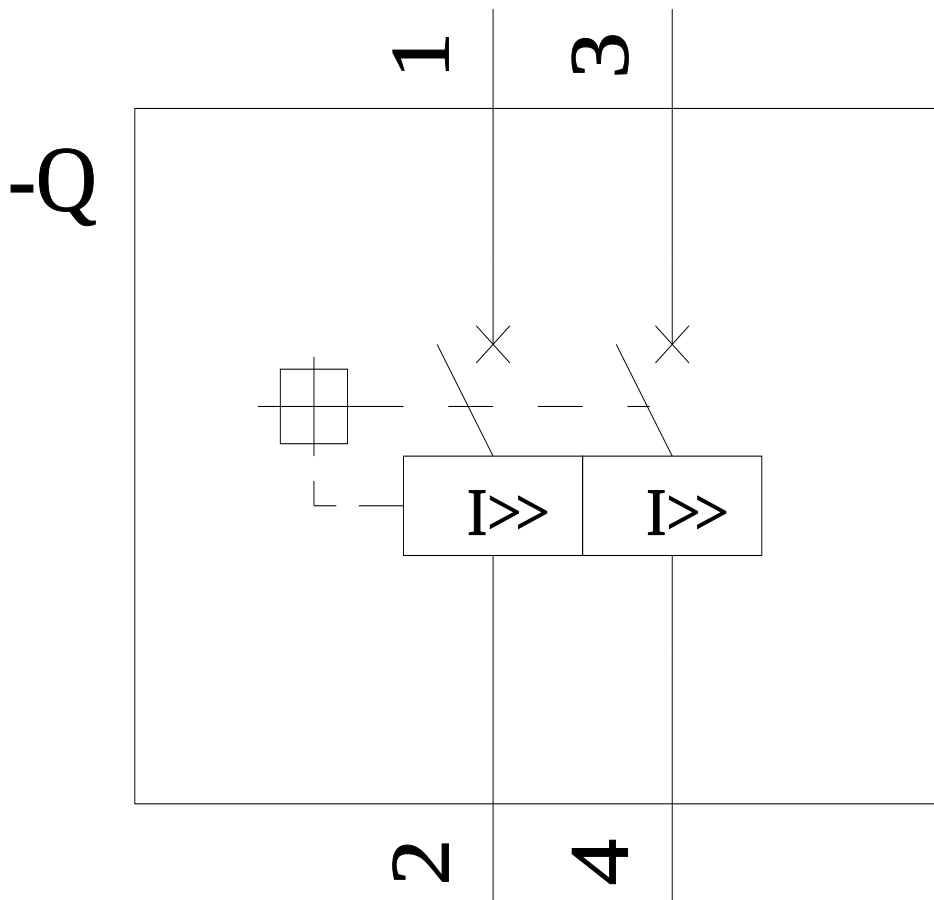
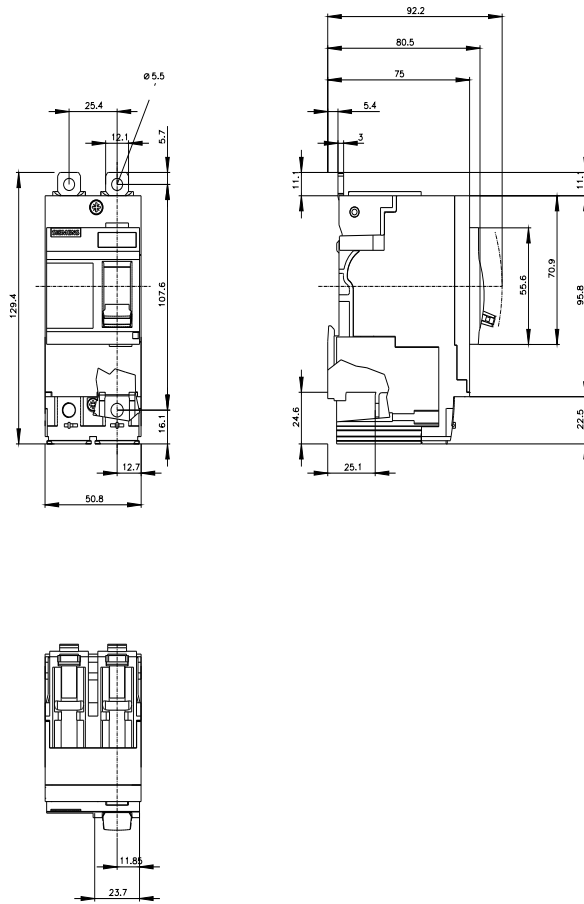


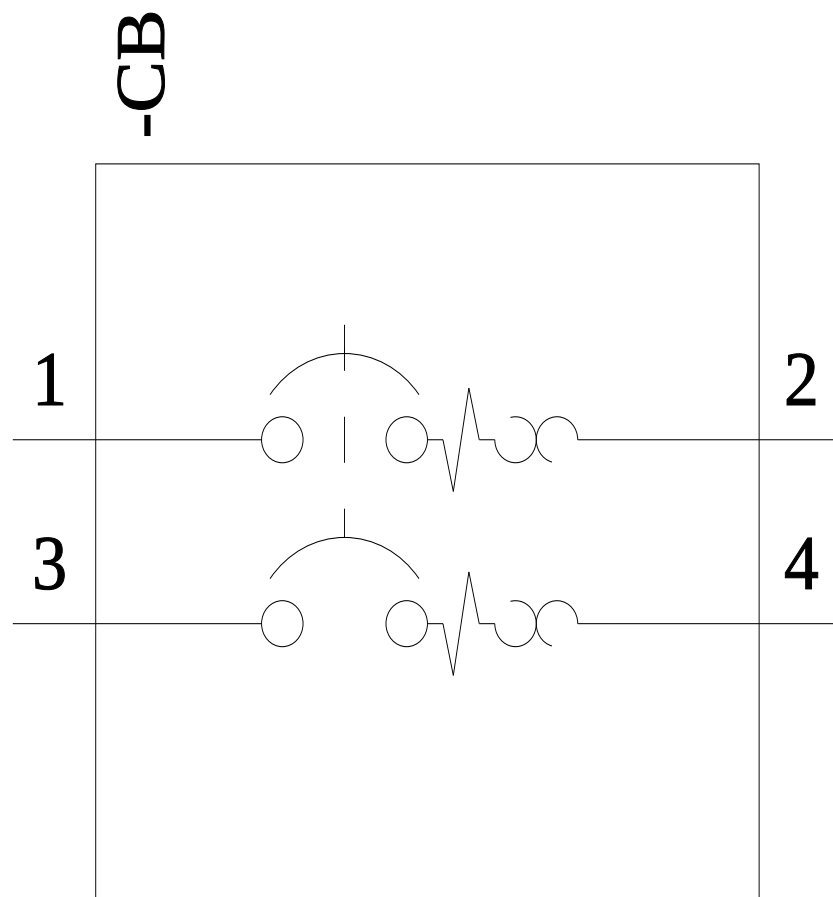


molded case switch 3VA4 UL frame 125 max. sh-circ breaking capacity 65kA @ 480 V 2-pole, line protection MCS110, In=100A without overload protection self-protection li=16 x In clamp connection

Model	
product brand name	SENTRON
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	2
General technical data	
operating voltage / at AC / rated value	480 V
power loss [W] / maximum	12.3 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/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	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]		2 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded		1 x (8 AWG - 3/0)
width		50.8 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	
Miscellaneous	Environmental Confirmations	
Further information		
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875		
Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012		
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=3VA4110-1BB24-0AA0		
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA4110-1BB24-0AA0		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA4110-1BB24-0AA0		
CAx-Online-Generator http://www.siemens.com/cax		
Tender specifications http://www.siemens.com/specifications		





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