SIEMENS

Data sheet

3VA5110-6ED26-0AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class H 65kA @ 480 V 2-pole, line protection TM210, FTFM, In=100A overload protection Ir=100A fixed short-circuit protection Ii=10 x In cable connection on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HEAS
Product version	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	
insulation voltage / rated value	600 V
Max. rated operational voltage Ue with DC	250 V
operating voltage / at AC / rated value	415 V
power loss [W] / maximum	15.2 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	7.6 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	0.668 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	100 A
● at 45 °C	98 A
● at 50 °C	95 A
● at 55 °C	93 A
• at 60 °C	91 A

● at 65 °C ● at 70 °C	89 A 87 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	150 kA
 at 415 V breaking capacity operating short-circuit current (Ics) 	70 kA
• at 240 V	150 kA
• at 415 V	70 kA
short-circuit current making capacity (Icm)	
• at 240 V	330 kA
• at 415 V	154 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	
breaking capacity current	
• at 240 V	150 kA
● at 480 V ● at 600 Y/347 V	65 kA 25 kA
Adjustable parameters	
product feature / for L-tripping / selectable characteristic	No
function type of value list setting current (Ir) / for L-tripping / with I2t	Fest
characteristic	
reference value setting current (Ir) / for L-tripping / with I2t characteristic	x In
set values setting current (Ir) / for L-tripping / with I2t characteristic	1
adjustable response factor setting current (Ir) / for L- tripping / with I2t characteristic / minimum	1
adjustable response factor setting current (Ir) / for L- tripping / with I2t characteristic / maximum	1
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic / minimum	100 A
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic / maximum	100 A
type of value list delay time (tr) / for L-tripping / with I2t characteristic	Fest
reference value delay time (tr) / for L-tripping / with I2t characteristic	S
set values delay time (tr) / for L-tripping / with I2t characteristic	1
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic / minimum	1 s
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic / maximum	1 s
product feature / for S-tripping / independent of direction / selectable characteristic function	No
product feature / for I-tripping / can be switched on/off	No
design of I-trip / adjustable	No
reference value setting current (li) / for l-tripping set values setting current (li) / for l-tripping	x ln 10
adjustable response factor setting current (li) / for l-	10
tripping / minimum	
adjustable response factor setting current (li) / for l- tripping / maximum	10
adjustable response value setting current (li) / for l-tripping / minimum	1 000 A
adjustable response value setting current (li) / for I-tripping / maximum	1 000 A
product feature / for G-tripping / selectable characteristic function	No
product feature / with neutral conductor protection / can be switched on/off	No
product feature / with neutral conductor protection / adjustable	Yes

A2_SuMuH_uT A2_SuMuH_oT A2uMCS110_line_2p_240V A2uMCS110_line_2p_415V A2uMCS110_line_2p_240V A2uMCS110_line_2p_415V
//2_SuMuH_oT //2uMCS110_line_2p_240V //2uMCS110_line_2p_415V //2uMCS110_line_2p_240V
//2_SuMuH_oT //2uMCS110_line_2p_240V //2uMCS110_line_2p_415V //2uMCS110_line_2p_240V
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Marine / Shipping





Miscellaneous

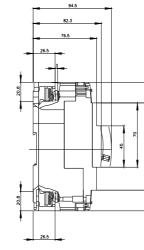
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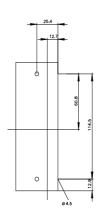
Further information

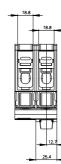
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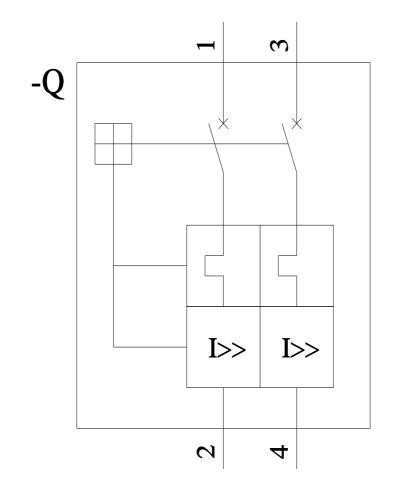
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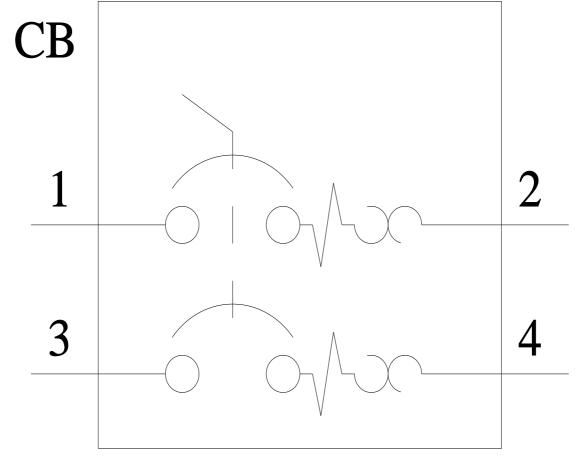












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