SIEMENS

Data sheet

Model

3VA5120-6ED26-0AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class H 65kA @ 480 V 2-pole, line protection TM210, FTFM, In=20A overload protection Ir=20A fixed short-circuit protection Ii=15 x In cable connection on both sides

SENTRON
Molded-case circuit breaker
HEAS
System protection
Yes
Yes
Yes
TM210
LI
2
600 V
250 V
415 V
8.13 W
4.07 W
20 000
8 000
4 000
8 000
4 000
No
without
No
No
0.657 kg
No
20 A
20 A
19 A
19 A
19 A

-1.05.90	40.4
at 65 °C at 70 °C	18 A 18 A
Switching capacity according to IEC 60947	IOA
switching capacity class of the circuit breaker	Н
breaking capacity maximum short-circuit current (Icu)	"
• at 240 V	150 kA
• at 415 V	70 kA
breaking capacity operating short-circuit current (Ics)	
• at 240 V	150 kA
• at 415 V	70 kA
short-circuit current making capacity (lcm)	
• at 240 V	330 kA
 at 415 V design of short-circuit protection 	154 kA For switching power values in DC networks, see the 3VA molded case
design of short-circuit protection	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	65 kA
● at 600 Y/347 V	25 kA
Adjustable parameters	
product feature / for L-tripping / selectable characteristic function	No
type of value list setting current (Ir) / for L-tripping / with I2t characteristic	Fest .
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 adjustable response value setting current (Ir) / of the L-trip	1 20 A
/ with I2t characteristic / minimum adjustable response value setting current (Ir) / of the L-trip	20 A
/ with I2t characteristic / maximum type of value list delay time (tr) / for L-tripping / with I2t	Fest
characteristic reference value delay time (tr) / for L-tripping / with I2t	s
characteristic set values delay time (tr) / for L-tripping / with I2t	1
characteristic adjustable response value delay time (tr) / for L-tripping /	1 s
with I2t characteristic / minimum adjustable response value delay time (tr) / for L-tripping /	1 s
with I2t characteristic / maximum product feature / for S-tripping / independent of direction /	No
selectable characteristic function product feature / for l-tripping / can be switched on/off	No
design of I-trip / adjustable	No
reference value setting current (Ii) / for I-tripping	x In
set values setting current (Ii) / for I-tripping	15
adjustable response factor setting current (li) / for l-tripping / minimum	15
adjustable response factor setting current (li) / for l-tripping / maximum	15
adjustable response value setting current (li) / for I-tripping / minimum	300 A
adjustable response value setting current (li) / for l-tripping / maximum	300 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

to me of value list potting account (InNI) / for NI tripping	C4
type of value list setting current (InN) / for N-tripping	St
reference value setting current (InN) / for N-tripping adjustable absolute value setting current (InN) / for N-	x In 0 A
tripping / minimum	
adjustable absolute value setting current (InN) / for N-tripping / maximum	0 A
tripping characteristic / of the lower tolerance band	AK_3VA5_1_20A_TM2_SuMuH_uT
tripping characteristic / of the upper tolerance band	AK_3VA5_1_20A_TM2_SuMuH_oT
let-through energy characteristic / at 240 V	DE_3VA5_1_20A_TM2_line_2p_240V
let-through energy characteristic / at 415 V	DE_3VA5_1_20A_TM2_line_2p_415V
type of value list setting current (Ii) / for I-tripping	Fest
tripping characteristic / of the let-through current characteristic / at 240 V	DS_3VA5_1_20A_TM2_line_2p_240V
tripping characteristic / of the let-through current characteristic / at 415 V	DS_3VA5_1_20A_TM2_line_2p_415V
Adjustable response value current / lg min.	20 A
adjustable current response value current / of the current- dependent overload release / full-scale value	20 A
Ground fault protection / tripping switchable / I2t=ON/OFF	No
Mechanical Design	
product component	
undervoltage release	No
voltage trigger	No
trip indicator	No
height [in]	5.51 in
Height	140 mm
width [in]	2 in
Type of connectable conductor cross-section, round conductor terminal, stranded	1 x (14 AWG - 8 AWG)
Width	50.8 mm
depth [in]	3.01 in
depth	76.5 mm
Connections	
arrangement of electrical connectors / for main current	Front connection
circuit type of electrical connection / for main current circuit	circular conductor terminal on both sides
	Circular Corludctor terminal on both sides
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
Certificates	
reference code / according to IEC 81346-2	Q
General Product Approval	

Confirmation









Miscellaneous

EMC Declaration of Conformity	Marine / Shipping
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Marine / Shipping

other





Miscellaneous

Further information

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=3VA5120-6ED26-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5120-6ED26-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

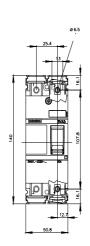
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5120-6ED26-0AA0

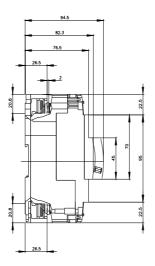
CAx-Online-Generator

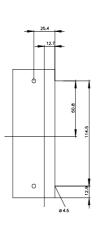
http://www.siemens.com/cax

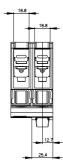
Tender specifications

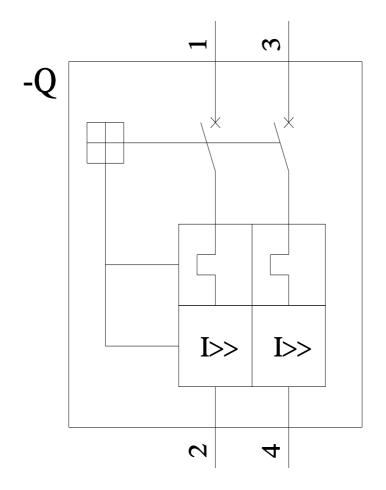
http://www.siemens.com/specifications

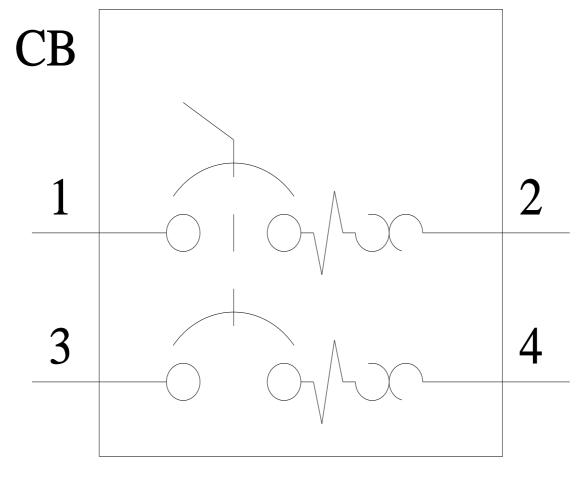












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