



1x circuit breaker: 3VA1110-4GE42-0AA0 1x RCD: 3VA9114-0RL21 1x auxiliary switch: 3VA9988-0AA12 1x rotary operator with shaft stub: 3VA9157-0GK00 1x extension shaft 300 mm 8x8 mm: 8UD1900-2WA00 1x adapter 8x8 mm: 8UD1900-2DA00 1x handle with masking plate: 8UD1721-0AB21 2x bus connectors front 4-pole: 3VA9154-0QB00 2x extended terminal covers 4-pole: 3VA9111-0WF40 3x 3kV cables with 6 mm² I = 2 m 3x ring cable lugs M6, 6 mm²

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	TM220
protection function of the overcurrent release	LI
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	600 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	28.9 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	9 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	6 300
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
product function	
• communication function	No
• other measurement function	No
Net Weight	4.04 kg
Current	
operational current	
• at 40 °C	95 A
• at 45 °C	92 A
• at 50 °C	90 A
• at 55 °C	88 A
• at 60 °C	86 A
• at 65 °C	85 A
• at 70 °C	82 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	S
maximum short-circuit current breaking capacity (I _{cu})	
• at 240 V	55 kA
• at 415 V	36 kA
• at 440 V	25 kA
• at 500 V	7 kA
• at 690 V	7 kA
operating short-circuit current breaking capacity (I _{cs})	
• at 240 V	55 kA

<ul style="list-style-type: none"> • at 415 V • at 440 V • at 500 V • at 690 V 	36 kA 25 kA 5 kA 5 kA	
short-circuit current making capacity (I _{cm}) <ul style="list-style-type: none"> • at 240 V • at 415 V • at 440 V • at 500 V • at 690 V 	121 kA 75.6 kA 52.5 kA 11.9 kA 11.9 kA	
Adjustable parameters		
product feature / for L-tripping / can be switched on/off	No	
adjustable response value setting current (I _r) / of the L-trip / with I _{2t} characteristic <ul style="list-style-type: none"> • minimum • maximum 	70 A 100 A	
adjustable response value delay time (t _r) / for L-tripping / with I _{2t} characteristic <ul style="list-style-type: none"> • minimum • maximum 	1 s 1 s	
adjustable response value setting current (I _i) / for I-tripping <ul style="list-style-type: none"> • minimum • maximum 	1 000 A 1 000 A	
adjustable setting current (I _{nN}) / for N-tripping <ul style="list-style-type: none"> • minimum • maximum 	100 A 100 A	
design of the N-conductor protection	100%	
product function / grounding protection	No	
Mechanical Design		
product component <ul style="list-style-type: none"> • undervoltage release • voltage trigger • trip indicator 	No No No	
height [in]	13.18 in	
height	334 mm	
width [in]	4 in	
width	101.6 mm	
depth [in]	21.26 in	
depth	540 mm	
Auxiliary circuit		
number of CO contacts / for auxiliary contacts	0	
Accessories		
product extension / optional / motor drive	No	
manufacturer's article number <ul style="list-style-type: none"> • of the supplied basic switch • of the integrated auxiliary switch/alarm switch 	3VA1110-4GE42-0AA0 3VA9988-0AA12	
Environmental conditions		
protection class IP / on the front	IP40	
ambient temperature <ul style="list-style-type: none"> • during operation / minimum • during operation / maximum • during storage / minimum • during storage / maximum 	-25 °C 70 °C -25 °C 80 °C	
reference code / according to IEC 81346-2	Q	
Approvals / Certificates		
General Product Approval	EMV	Test Certificates

[Miscellaneous](#)



[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

[Special Test Certificate](#)

Maritime application	other	Environment
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[CCS \(China Classification Society\)](#)

[Confirmation](#)



[Miscellaneous](#)

[Environmental Confirmations](#)

Environment

[Environmental Confirmations](#)

Further information

Information on the packaging

<http://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3VA1110-4GE42-6AB0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1110-4GE42-6AB0>

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

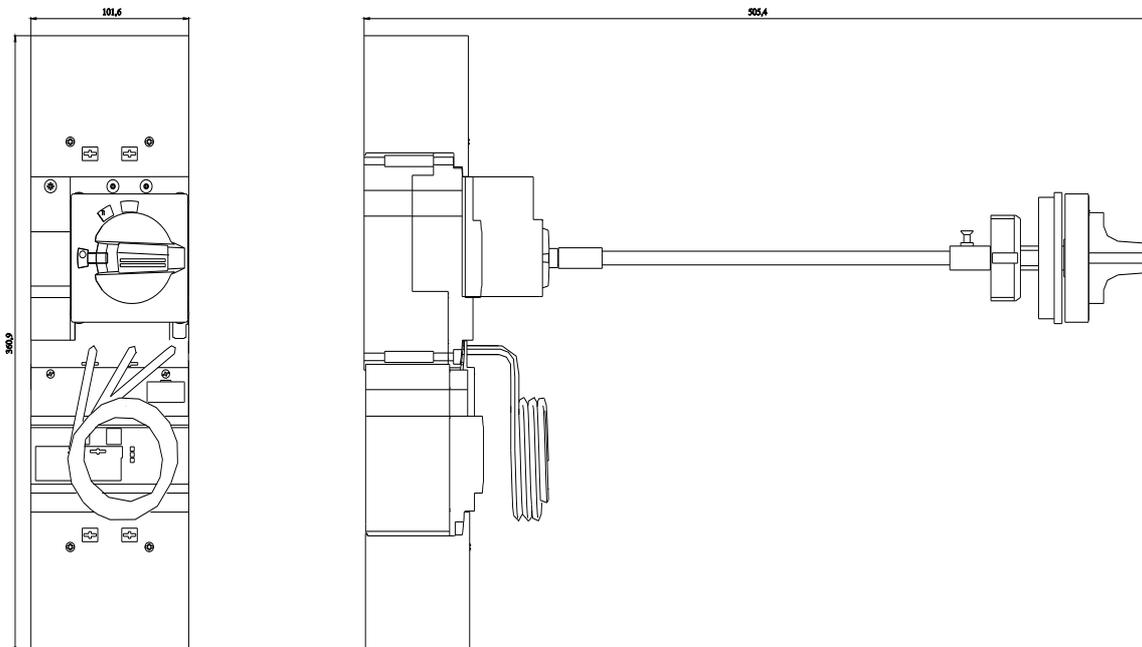
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1110-4GE42-6AB0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



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