SIEMENS

Data sheet

3VJ1112-5EA42-0AA0



circuit breaker 3VJ1 IEC framesize 3VJ11 125A line protection FTFM 4-pole Icu=36kA@415V Ics=75% Icu In=125A overload protection Ir=125A short-circuit protection Ii=10 x In Screw connection

Model	
product designation	Molded Case Circuit Breaker
design of the product	Line protection
design of the overcurrent release	FTFM
protection function of the overcurrent release	LI
number of poles	4
General technical data	
insulation voltage / rated value	1 000 V
operating voltage / at AC / rated value	415 V
power loss [W] / maximum	42 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	10.5 W
mechanical service life (operating cycles) / typical	15 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	5 000
ground-fault monitoring version	without
Net Weight	1.82 kg
Current	
continuous current / rated value	125 A
operational current	
• at 40 °C	125 A
• at 45 °C	125 A
• at 50 °C	125 A
● at 55 °C	121.5 A
• at 60 °C	118 A
Switching capacity according to IEC 60947	
maximum short-circuit current breaking capacity (Icu)	
• at 415 V	36 kA
operating short-circuit current breaking capacity (Ics)	
• at 415 V	27 kA
short-circuit current making capacity (Icm)	
• at 415 V	75.6 kA
Adjustable parameters	
adjustable current response value current / of the current- dependent overload release	125 125 A
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum	1 250 A
• maximum	1 250 A
design of the N-conductor protection	1
product function / grounding protection	No
Mechanical Design	

height	150 mm	
width	122 mm	
depth	85 mm	
Connections		
arrangement of electrical connectors / for main current circuit	Front connection	
type of electrical connection / for main current circuit	Lug connection line and load side	
Accessories		
product extension / optional / motor drive	No	
Environmental conditions		
protection class IP / on the front	IP42	
ambient temperature		
 during operation / minimum 	-10 °C	
 during operation / maximum 	60 °C	
during storage / minimum	-15 °C	
 during storage / maximum 	75 °C	
Approvals / Certificates		
Test Certificates other		

Type Test Certificates/Test Report

Confirmation

 Further information

 Information on the packaging

 https://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=3VJ1112-5EA42-0AA0

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

 https://support.industry.siemens.com/cs/ww/en/ps/3VJ1112-5EA42-0AA0

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

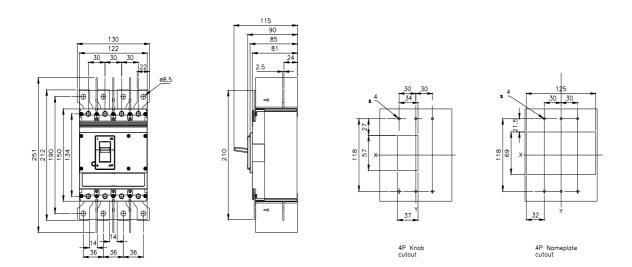
 http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1112-5EA42-0AA0

 CAx-Online-Generator

 http://www.siemens.com/cax

 Tender specifications

 http://www.siemens.com/specifications



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