



circuit breaker 3VJ1 IEC framesize 3VJ11 125A line protection FTFM 3-pole
Icu=55kA@415V Ics=75% Icu In=20A overload protection Ir=20A short-circuit
protection Ii=450A 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	3
General technical data	
insulation voltage / rated value	1 000 V
operating voltage / at AC / rated value	415 V
power loss [W] / maximum	31.5 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	1.38 kg
Current	
operational current	
• at 40 °C	20 A
• at 45 °C	20 A
• at 50 °C	20 A
• at 55 °C	19.44 A
• at 60 °C	18.88 A
Switching capacity according to IEC 60947	
maximum short-circuit current breaking capacity (Icu)	
• at 415 V	55 kA
operating short-circuit current breaking capacity (Ics)	
• at 415 V	41.25 kA
short-circuit current making capacity (Icm)	
• at 415 V	121 kA
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release	20 ... 20 A
adjustable current response value current / of instantaneous short-circuit trip unit	
• minimum	600 A
• maximum	600 A
product function / grounding protection	No
Mechanical Design	
height	150 mm
width	92 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	
other	

[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=3VJ1102-7DA32-0AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VJ1102-7DA32-0AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1102-7DA32-0AA0 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

