



circuit breaker 3VJ1 IEC framesize 3VJ10 125A line protection FTFM 3-pole  
Icu=18kA@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	3

### General technical data

insulation voltage / rated value	800 V
operating voltage / at AC / rated value	415 V
power loss [W] / maximum	28.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9.5 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	0.82 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	18 kA
operating short-circuit current breaking capacity (Ics)	
• at 415 V	13.5 kA
short-circuit current making capacity (Icm)	
• at 415 V	36 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
product function / grounding protection	No

### Mechanical Design

height	126 mm
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width	80 mm
depth	68 mm
<b>Connections</b>	
arrangement of electrical connectors / for main current circuit	Front connection
type of electrical connection / for main current circuit	Lug connection line and load side
<b>Accessories</b>	
product extension / optional / motor drive	No
<b>Environmental conditions</b>	
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
<b>Approvals / Certificates</b>	
<b>Test Certificates</b>	<b>other</b>

[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=3VJ1012-1DA32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VJ1012-1DA32-0AA0>

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

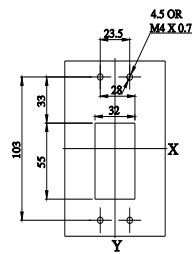
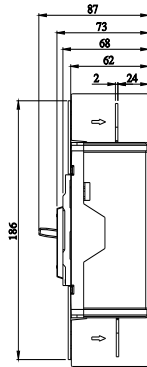
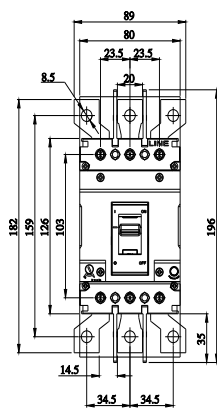
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VJ1012-1DA32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1012-1DA32-0AA0)

CAX-Online-Generator

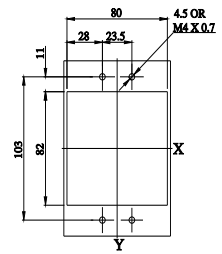
<http://www.siemens.com/cax>

Tender specifications

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



Knob cutout



Name plate cutout

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8/9/2023 

