## **SIEMENS**

## **Data sheet**

3VJ1106-7DB32-0AA0

circuit breaker 3VJ1 IEC framesize 3VJ11 125A line protection ATFM 3-pole lcu=55kA@415V lcs=75% lcu In=63A overload protection Ir=50.4A...63A short-circuit protection Ii=10 x In Screw connection

product designation		
design of the product design of the overcurrent release protection function of the overcurrent release protection function of the overcurrent release LI number of poles 3  Ceneral technical data insulation voltage / rated value power loss [W] / maximum 31.5 W power loss [W] / maximum 31.5 W power loss [W] / maximum powe	Model	
design of the overcurrent release	product designation	Molded Case Circuit Breaker
protection function of the overcurrent release  LI number of poles  3  Ceneral technical data  insulation voltage / rated value	design of the product	Line protection
number of poles  General technical data Insulation voltage / rated value	design of the overcurrent release	ATFM
General technical data insulation voltage / rat Ac / rated value	protection function of the overcurrent release	LI
insulation voltage / rated value	number of poles	3
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 mechanical service life (operating cycles) / typical 15 000  electrical endurance (operating cycles) / typical 5000  ground-fault monitoring version without 1.42 kg  Current 1.42 kg  current 0.44 6° C 63 A 64 6° C 65 A 65 A 64 6° C 65 A 65	General technical data	
power loss [W] / maximum  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  mechanical service life (operating cycles) / typical  electrical endurance (operating cycles) / typical  electrical endurance (operating cycles) / at AC-1 / at 380/415 V  5000  ground-fault monitoring version  Net Weight  continuous current / rated value  operational current  • at 40 °C  • at 45 °C  • at 50 °C  • at 50 °C  • at 60 °C  • at 60 °C  • at 60 °C  • at 60 °C  • at 415 °C  • at 60 °C  • at 415	insulation voltage / rated value	1 000 V
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole operating oveles) / 1 AC-1 / at 380/415 V 5000 ground-fault monitoring version without without Net Weight 1.42 kg  Current	operating voltage / at AC / rated value	415 V
operating state / per pole mechanical service life (operating cycles) / typical electrical endurance (operating cycles) / at AC-1 / at 380/415 V 5 5000 ground-fault monitoring version without Net Weight 1.42 kg  Current continuous current / rated value 6.3 A operational current	power loss [W] / maximum	31.5 W
electrical endurance (operating cycles) / at AC-1 / at 380/415 V ground-fault monitoring version Net Weight 1.42 kg  Current  continuous current / rated value operational current  • at 40 °C • at 50 °C • at 50 °C • at 65 °C • at 65 °C • at 65 °C • at 61 °C • sold operating expectly according to IEC 60947  maximum short-circuit current breaking capacity (Icu) • at 415 V  operating short-circuit current breaking capacity (Ics) • at 415 V  operating short-circuit current breaking capacity (Ics) • at 415 V  short-circuit current making capacity (Icm) • at 415 V  short-circuit current making capacity (Icm) • at 415 V  short-circuit current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit flip unit • ininimum • maximum product function / grounding protection  Mechanical Design height  width 92 mm depth 650 mm  connections arrangement of electrical connectors / for main current circuit Lug connection line and load side  Accessories product extension / optional / motor drive  Front connection line and load side  Accessories protection class IP / on the front  IP42		10.5 W
ground-fault monitoring version without  Net Weight 1.42 kg  Corrent  continuous current / rated value 63 A  operational current  • at 40 °C 63 A  • at 45 °C 63 A  • at 45 °C 63 A  • at 60 °C 63 A  • at 60 °C 65 A  • at 60 °C 65 A  • at 60 °C 7  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (lcu) • at 41 5 V 55 kA  operating short-circuit current breaking capacity (lcs) • at 41 5 V 55 kA  Adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit • minimum • maximum product function / grounding protection No  Mechanical Design height 150 mm width 92 mm depth 650 mm  Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Lug connection line and load side  Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front IP42	mechanical service life (operating cycles) / typical	15 000
Net Weight Curront Curront Continuous current / rated value operational current  • at 40 °C • at 45 °C • at 45 °C • at 50 °C • at 55 °C • at 60 °C  Switching capacity according to IEC 60947 maximum short-circuit current breaking capacity (icu) • at 415 °V • at 415 °V  operating short-circuit current breaking capacity (icu) • at 415 °V  operating short-circuit current breaking capacity (ics) • at 415 °V  short-circuit current making capacity (icm) • at 415 °V  Adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip init • minimum • minimum • minimum • maximum product function / grounding protection  Mechanical Design height 150 mm width 92 mm depth 92 mm depth 92 mm depth 93 mm  Connections arrangement of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connectors / for main current circuit Environmental conditions protection class IP / on the front	electrical endurance (operating cycles) / at AC-1 / at 380/415 V	5 000
Current  continuous current / rated value  operational current  • at 40 °C  • at 45 °C  • at 45 °C  • at 55 °C  • at 65 °C  • at 65 °C  • at 60 °C  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (Icu)  • at 415 V  operating short-circuit current breaking capacity (Ics)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • maximum  • maximum  • maximum  • adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • maximum  • maximum  • maximum  • maximum  • adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • max	ground-fault monitoring version	without
Current  continuous current / rated value  operational current  • at 40 °C  • at 45 °C  • at 45 °C  • at 55 °C  • at 65 °C  • at 65 °C  • at 60 °C  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (Icu)  • at 415 V  operating short-circuit current breaking capacity (Ics)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • maximum  • maximum  • maximum  • adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • maximum  • maximum  • maximum  • maximum  • adjustable current response value current / of instantaneous short-circuit tip unit  • minimum  • maximum  • max	•	1.42 kg
continuous current / rated value	•	
operational current  • at 40 °C  • at 45 °C  • at 50 °C  • at 50 °C  • at 50 °C  • at 60 °C  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (Icu)  • at 415 °V  operating short-circuit current breaking capacity (Icu)  • at 415 V  operating short-circuit current breaking capacity (Ics)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  short-circuit current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit trip unit  • minimum  • maximum  • asamum  • maximum  • asamum  • maximum  • asamum		63 A
at 40 °C at 45 °C at 50 °C at 55 °C 51 236 A at 60 °C 59.472 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 55 kA operating short-circuit current breaking capacity (Ics) at 415 V 55 kA short-circuit current making capacity (Icm) at 415 V 55 kA short-circuit current making capacity (Icm) at 415 V 55 kA short-circuit current making capacity (Icm) at 415 V 55 kA short-circuit current response value current / of the current-dependent overload release adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit minimum mi		
at 45 °C at 50 °C at 50 °C at 60 °C 59.472 A  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (Icu) at 415 °V operating short-circuit current breaking capacity (Ics) at 415 V operating short-circuit current breaking capacity (Ics) at 415 V short-circuit current making capacity (Icm) at 415 V short-circuit current making capacity (Icm) at 415 V short-circuit current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit minimum short-circuit frip mini		63 A
at 50 °C at 50 °C 51.236 A 59.472 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 55 kA  short-circuit current making capacity (Icm) at 415 V 512 kA  Adjustable parameters adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit minimum 630 A maximum 630 A maximum 630 A maximum 630 A more maximum		
at 55 °C at 60 °C 59.472 A  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (Icu) at 4145 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 55 kA  Adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit aminimum amaximum maximum moduli product function / grounding protection  Mechanical Design height width 92 mm depth S5 mm  Connections  arrangement of electrical connectors / for main current circuit type of electrical connector / for main current circuit product extension / optional / motor drive Product extension / optional / motor drive Protection class IP / on the front P122		
at 60 °C  Switching capacity according to IEC 60947  maximum short-circuit current breaking capacity (Icu)  at 415 V  operating short-circuit current breaking capacity (Ics)  at 415 V  short-circuit current making capacity (Icm)  at 415 V  21 kA  Adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit  minimum  moduct function / grounding protection  Mechanical Design  height  depth  50 mm  depth  630 A  92 mm  depth  650 mm  670 m		
maximum short-circuit current breaking capacity (Icu)  • at 415 V  operating short-circuit current breaking capacity (Ics)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  211 kA  Adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit  • minimum  • maximum  • maximum  foso A  product function / grounding protection  Mechanical Design  height  150 mm  width  depth  92 mm  depth  92 mm  depth  95 mm  Connections  arrangement of electrical connectors / for main current circuit type of electrical connectors / for main current circuit type of electrical connection / protonal / motor drive  product extension / optional / motor drive  No  Environmental conditions  protection class IP / on the front  IP42		
maximum short-circuit current breaking capacity (Icu)  • at 415 V  operating short-circuit current breaking capacity (Ics)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit trip unit  • minimum  • maximum  • maximum  foad A  • maximum  foad A  • maximum  height  height  150 mm  width  92 mm  depth  85 mm  Connections  arrangement of electrical connectors / for main current circuit  type of electrical connector / for main current circuit  Accessories  product extension / optional / motor drive  Portection class IP / on the front  IP42		33.412 A
at 415 V operating short-circuit current breaking capacity (Ics) at 415 V short-circuit current making capacity (Icm) at 415 V short-circuit current making capacity (Icm) at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit aminimum amini		
operating short-circuit current breaking capacity (Ics)  • at 415 V  short-circuit current making capacity (Icm)  • at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit trip unit  • minimum  • maximum  • maximum  for an		EE IA
at 415 V  short-circuit current making capacity (Icm)  at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit trip unit  minimum  maximum  maximum  moduct function / grounding protection  Mechanical Design  height  formacitons  arrangement of electrical connectors / for main current circuit  type of electrical connection / for main current circuit  Accessories  product extension / optional / motor drive  No  Environmental conditions  protection class IP / on the front  I21 kA  41.25 kA  41.25 kA  41.25 kA  41.25 kA  41.26 kA  41.26 kA  41.25 kA  41.26 kA  41.		35 KA
short-circuit current making capacity (Icm)  • at 415 V  Adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit  • minimum  • minimum  • maximum  product function / grounding protection  Mechanical Design  height  150 mm  width  92 mm  depth  85 mm  Connections  arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of electrical connection / motor drive  Protection class IP / on the front  IP42		44.95 kA
adjustable parameters  adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit  minimum  minim		41.25 NA
Adjustable current response value current / of the current-dependent overload release adjustable current response value current / of instantaneous short-circuit trip unit		101 kA
adjustable current response value current / of the current-dependent overload release  adjustable current response value current / of instantaneous short-circuit trip unit  • minimum  • maximum  • maximum  for day A  • maximum  product function / grounding protection  Mechanical Design  height  width  ge mm  depth  Connections  arrangement of electrical connectors / for main current circuit  type of electrical connection / for main current circuit  Accessories  product extension / optional / motor drive  No  Environmental conditions  protection class IP / on the front  1942		12 I KA
adjustable current response value current / of instantaneous short-circuit trip unit  In minimum  In maximum  In m	adjustable current response value current / of the current-	50.4 63 A
short-circuit trip unit  In minimum  In maximum  In ma	•	
maximum     fo30 A  product function / grounding protection  Mechanical Design  height     formal		
product function / grounding protection  Mechanical Design  height 150 mm  width 92 mm  depth 85 mm  Connections  arrangement of electrical connectors / for main current circuit fype 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	• minimum	630 A
Mechanical Design  height 150 mm  width 92 mm  depth 85 mm  Connections  arrangement of electrical connectors / for main current circuit 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	• maximum	630 A
height 150 mm  width 92 mm  depth 85 mm  Connections  arrangement of electrical connectors / for main current circuit 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	product function / grounding protection	No
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	Mechanical Design	
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	height	150 mm
arrangement of electrical connectors / for main current circuit  type of electrical connection / for main current circuit  Lug connection line and load side  Accessories  product extension / optional / motor drive  Environmental conditions  protection class IP / on the front  IP42	width	92 mm
arrangement of electrical connectors / for main current circuit  type of electrical connection / for main current circuit  Lug connection line and load side  Accessories  product extension / optional / motor drive  Environmental conditions  protection class IP / on the front  IP42	depth	85 mm
type of electrical connection / for main current circuit  Accessories  product extension / optional / motor drive  Environmental conditions protection class IP / on the front  IP42	Connections	
Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front IP42	arrangement of electrical connectors / for main current circuit	Front connection
product extension / optional / motor drive  Environmental conditions  protection class IP / on the front  IP42	type of electrical connection / for main current circuit	Lug connection line and load side
Environmental conditions protection class IP / on the front IP42	Accessories	
protection class IP / on the front IP42	product extension / optional / motor drive	No
protection class IP / on the front IP42	Environmental conditions	
•	protection class IP / on the front	IP42
	·	

-10 °C • during operation / minimum 60 °C • during operation / maximum • during storage / minimum -15 °C • during storage / maximum 75 °C

## Approvals / Certificates

**Test Certificates** other

Type Test Certificates/Test Report

Confirmation

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=3VJ1106-7DB32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VJ1106-7DB32-0AA0

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

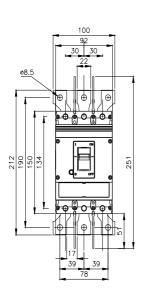
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VJ1106-7DB32-0AA0

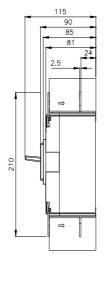
**CAx-Online-Generator** 

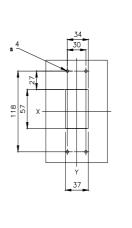
http://www.siemens.com/cax

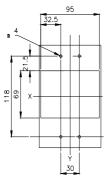
**Tender specifications** 

http://www.siemens.com/specifications









3P Knob cutout

3P Nameplate cutout

last modified:

8/9/2023