Product data sheet



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU560, LSIG, IN=160A OVERLOAD PROTECTION IR=64A ...160A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5...10X IN NEUTRAL PROTECTION OPTIONAL WITH EXT. CT,UPTO 160% GROUNDFAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,050,8MS BUSBAR CONNECTION

Similar to image

General technical data:		
product brand name		SENTRON
Product designation		Molded Case Circuit Breakers
Acceptability for application		system protection
Design of the product		Line Protection
Product function		
communication function		Yes
other measurement function		No
Product component / display		Yes
Design of the overcurrent release		ETU560
Protective function of the overcurrent release		LSIG
Product property / for zero conductors / up/downgradable / short-circuit and overload protection		Yes
Continuous current / rated value	Α	160
Operating voltage		
at 50/60 Hz / for AC / rated value	V	690
Insulation voltage / rated value	V	800
Number of poles		3
Active power loss / maximum	W	25.5

Protection class IP / on the front	Switching capacity class of the circuit breaker		M
Product function / phase disturbance recognition Schaltvermögen: Breaking capacity limit short-circuit current (lou) - at 240 V / rated value - at 415 V / rated value - at 690 V / rated value - at 415 V / rated value - at 690 V / rated value -			IP40
Product function / phase disturbance recognition Schaltvermögen: Breaking capacity limit short-circuit current (lou) - at 240 V / rated value - at 415 V / rated value - at 690 V / rated value - at 415 V / rated value - at 690 V / rated value -			
Schaltvermögen:	Motor rating data:		
Breaking capacity limit short-circuit current (Icu)	Product function / phase disturbance recognition		No
	Schaltvermögen:		
- at 415 V / rated value	Breaking capacity limit short-circuit current (Icu)		
## A 690 V / rated value Reaking capacity operating short-circuit current (lcs)	• at 240 V / rated value	kA	85
Breaking capacity operating short-circuit current (ics) • at 240 V / rated value	• at 415 V / rated value	kA	55
	• at 690 V / rated value	kA	2.5
• at 415 V / rated value kA 55 • at 690 V / rated value kA 2.5 Ultimate short-circuit current making capacity (Icm) • at 240 V / rated value kA 187 • at 415 V / rated value kA 121 • at 690 V / rated value kA 3.75 Overcurrent Release: Adjustable response current • of the non-delayed short-circuit release / initial value A 0.4 1 Settable current response value • of S-trip A 0.6 10 • with standard characteristic A 0.6 10 Settable delay / of the S-trip • with standard characteristic s 0.05 0.5 • with 12t characteristic s 0.05 0.5 • with 2t characteristic s 0.05 0.8 • with 12t characteristic s 0.05 0.8 <td>Breaking capacity operating short-circuit current (Ics)</td> <td></td> <td></td>	Breaking capacity operating short-circuit current (Ics)		
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Ultimate short-circuit current making capacity (lcm) • at 240 V / rated value • at 415 V / rated value • at 690 V / rated value • at 690 V / rated value • at 690 V / rated value • A	• at 415 V / rated value	kA	55
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• at 415 V / rated value • at 690 V / rated value kA 3.75 Overcurrent Release: Adjustable response current • of the current-dependent overload release • of the non-delayed short-circuit release / initial value • of S-trip • with standard characteristic A 0.6 10 Adjustable response current • of the short-time delayed short-circuit release • of the short-time delayed short-circuit release A 0.6 10 Settable delay / of the S-trip • with standard characteristic • with 12t characteristic • with 12t characteristic • with standard characteristic • with 12t characteristic	Ultimate short-circuit current making capacity (lcm)		
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with I2t characteristic with I2t characteristic s 0.05 0.8 Connections: Design of the electrical connection	with standard characteristic with I2t characteristic	s s	0.05 0.5 0.05 0.5
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	with standard characteristic with I2t characteristic Settable current response value / of I-trip / end value with standard characteristic with standard characteristic with I2t characteristic	s s A A s	0.05 0.5 0.05 0.5 12 0.2 1 0.05 0.8 0.2 1
• for main current circuit Lug Terminal	with standard characteristic with l2t characteristic Settable current response value / of l-trip / end value with standard characteristic with standard characteristic with l2t characteristic with l2t characteristic	s s A A s	0.05 0.5 0.05 0.5 12 0.2 1 0.05 0.8 0.2 1
	with standard characteristic with I2t characteristic Settable current response value / of I-trip / end value with standard characteristic with standard characteristic with I2t characteristic with I2t characteristic Connections:	s s A A s	0.05 0.5 0.05 0.5 12 0.2 1 0.05 0.8 0.2 1

Control circuit:		
Number of changeover contacts		
for auxiliary contacts		0
Product component		
undervoltage release mechanism		No
Voltage trigger		No
undervoltage release with leading contact		No
• trip indicator		No
Manufacturer article number		
• 3 of the integrated auxiliary switch /alarm switch		
of integrated auxiliary trip		

Ambient conditions:		
Ambient temperature		
during operating	°C	-25 +70
during storage	°C	-40 +80

Dimensions and weights:		
Width	mm	105
Height	mm	181
Depth	mm	107
Net weight	g	2,290

Lebensdauer:	
Mechanical operating cycles as operating time / typical	20,000
Reference code / according to DIN EN 61346-2	Q

Certificates/approvals:

Declaration of Conformity

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA2116-5JQ32-0AA0

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

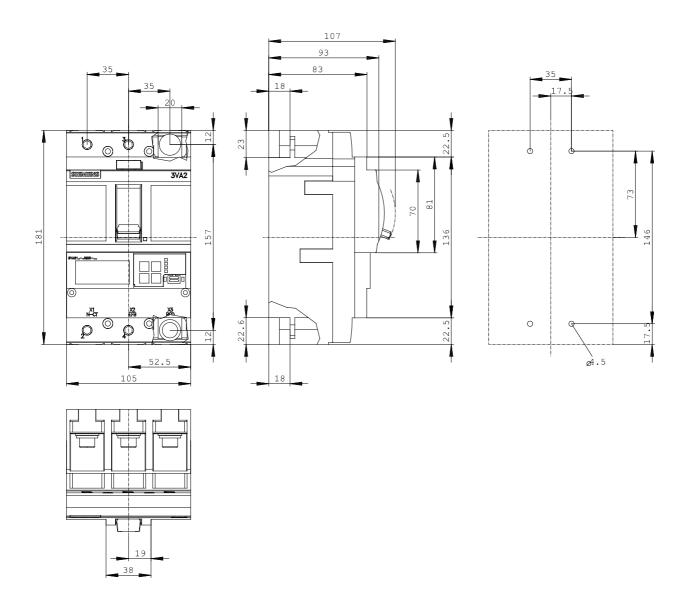
http://support.automation.siemens.com/WW/view/en/3VA2116-5JQ32-0AA0/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2116-5JQ32-0AA0

CAx-Online-Generator

http://www.siemens.com/cax



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