



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU550, LSI, IN=160A OVERLOAD PROTECTION IR=64A ...160A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..10X IN NEUTRAL PROTECTION ADJUSTABLE (OFF, UPTO 100%) 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 <ul style="list-style-type: none"><li>• communication function</li><li>• other measurement function</li></ul>		Yes
		No
Product component / display		Yes
Design of the overcurrent release		ETU550
Protective function of the overcurrent release		LSI
Product property / for zero conductors / up/downgradable / short-circuit and overload protection		No
Continuous current / rated value	A	160
Operating voltage <ul style="list-style-type: none"><li>• at 50/60 Hz / for AC / rated value</li></ul>		
	V	690
Insulation voltage / rated value	V	800
Number of poles		4
Active power loss / maximum	W	25.5

<b>Switching capacity class of the circuit breaker</b>		M
<b>Protection class IP / on the front</b>		IP40
<b>Motor rating data:</b>		
<b>Product function / phase disturbance recognition</b>		No
<b>Schaltvermögen:</b>		
<b>Breaking capacity limit short-circuit current (I<sub>cu</sub>)</b>		
• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2.5
<b>Breaking capacity operating short-circuit current (I<sub>cs</sub>)</b>		
• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2.5
<b>Ultimate short-circuit current making capacity (I<sub>cm</sub>)</b>		
• at 240 V / rated value	kA	187
• at 415 V / rated value	kA	121
• at 690 V / rated value	kA	3.75
<b>Overcurrent Release:</b>		
<b>Adjustable response current</b>		
• of the current-dependent overload release	A	0.4 ... 1
• of the non-delayed short-circuit release / initial value	A	1.5
<b>Settable current response value</b>		
• of S-trip		
• with standard characteristic	A	0.6 ... 10
<b>Adjustable response current</b>		
• of the short-time delayed short-circuit release	A	0.6 ... 10
<b>Settable delay / of the S-trip</b>		
• with standard characteristic	s	0.05 ... 0.5
• with I <sub>2t</sub> characteristic	s	0.05 ... 0.5
<b>Settable current response value / of I-trip / end value</b>	A	12
<b>Connections:</b>		
<b>Design of the electrical connection</b>		
• for main current circuit		Lug Terminal
<b>Control circuit:</b>		
<b>Number of changeover contacts</b>		
• for auxiliary contacts		0
<b>Product component</b>		

• undervoltage release mechanism		No
• Voltage trigger		No
• undervoltage release with leading contact		No
• trip indicator		No
<b>Manufacturer article number</b>		
• 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:

<b>Width</b>	mm	140
<b>Height</b>	mm	181
<b>Depth</b>	mm	107
<b>Net weight</b>	g	2,940

#### Lebensdauer:

<b>Mechanical operating cycles as operating time / typical</b>		20,000
<b>Reference code / according to DIN EN 61346-2</b>		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/3VA2116-5JP42-0AA0>

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

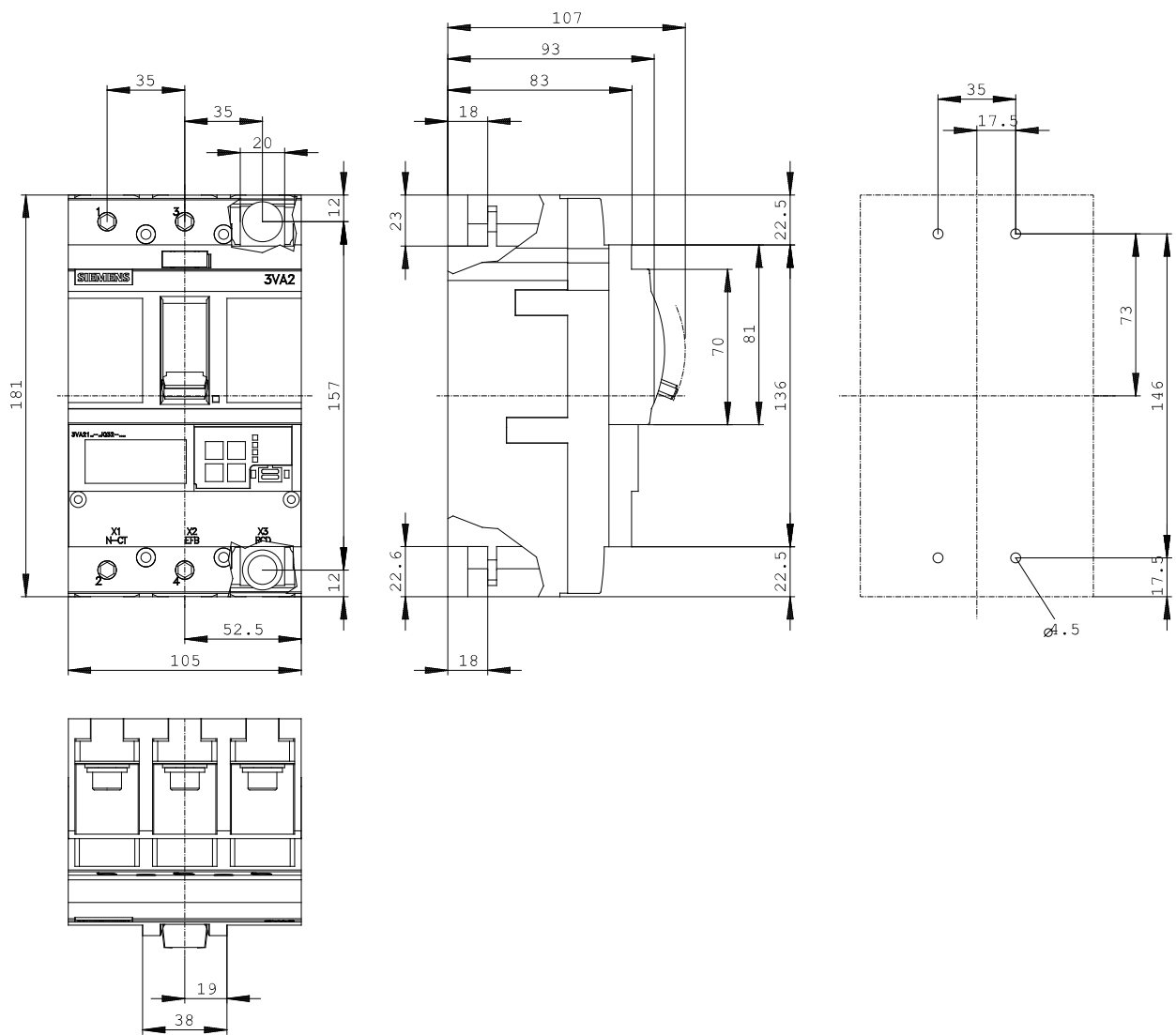
<http://support.automation.siemens.com/WW/view/en/3VA2116-5JP42-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2116-5JP42-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2116-5JP42-0AA0)

##### CAX-Online-Generator

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



**last change:**

May 14, 2014