



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU550, LSI, IN=40A OVERLOAD PROTECTION IR=16A ...40A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..12X IN NEUTRAL PROTECTION ADJUSTABLE (OFF, UPTO 160%) CABLE 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		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	40
Operating voltage		
• at 50/60 Hz / for AC / rated value	V	690
Insulation voltage / rated value	V	800
Number of poles		4
Active power loss / maximum	W	13.5

<b>Switching capacity class of the circuit breaker</b>		M
<b>Protection class IP / on the front</b>		IP40

#### Motor rating data:

<b>Product function / phase disturbance recognition</b>		No
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#### Schaltvermögen:

##### Breaking capacity limit short-circuit current (I<sub>cu</sub>)

• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2

##### Breaking capacity operating short-circuit current (I<sub>cs</sub>)

• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2

##### Ultimate short-circuit current making capacity (I<sub>cm</sub>)

• at 240 V / rated value	kA	187
• at 415 V / rated value	kA	121
• at 690 V / rated value	kA	3

#### Overcurrent Release:

##### Adjustable response current

• of the current-dependent overload release	A	0.4 ... 1
• of the non-delayed short-circuit release / initial value	A	1.5

##### Settable current response value

• of S-trip		
• with standard characteristic	A	0.6 ... 10

##### Adjustable response current

• of the short-time delayed short-circuit release	A	0.6 ... 10
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##### Settable delay / of the S-trip

• with standard characteristic	s	0.05 ... 0.5
• with I <sup>2</sup> t characteristic	s	0.05 ... 0.5

##### Settable current response value / of I-trip / end value

A	12
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#### Connections:

##### Design of the electrical connection

• for main current circuit		Frame terminal
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#### Control circuit:

##### Number of changeover contacts

• for auxiliary contacts		0
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##### Product component

• 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:

<b>Ambient temperature</b>		
• 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	3,140

### 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:

<b>Declaration of Conformity</b>	
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### Further information:

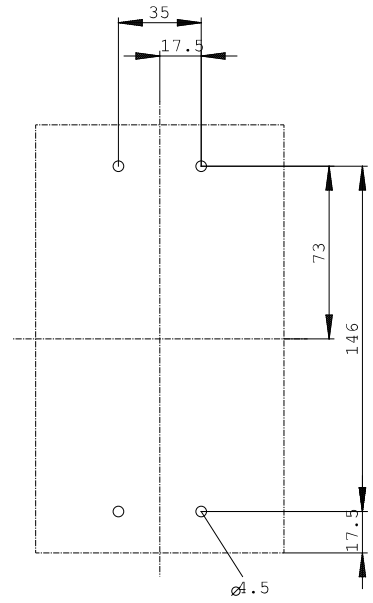
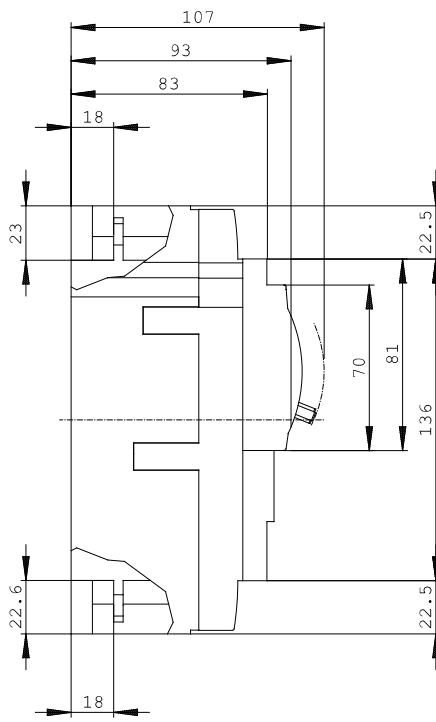
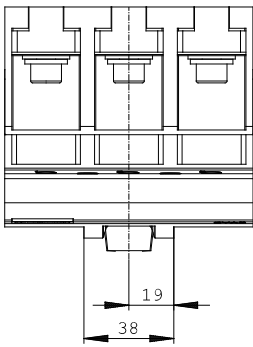
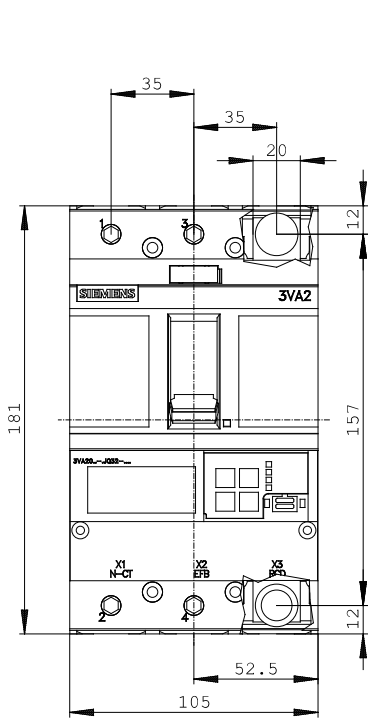
**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**  
<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA2040-5JP46-0AA0>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<http://support.automation.siemens.com/WW/view/en/3VA2040-5JP46-0AA0/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2040-5JP46-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2040-5JP46-0AA0)

**CAX-Online-Generator**  
<http://www.siemens.com/cax>



**last change:**

May 14, 2014