



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU320, LI, IN=100A OVERLOAD PROTECTION IR=40A ...100A SHORT CIRCUIT PROTECTION II=12 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,50%,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		
• communication function		No
• other measurement function		No
Product component / display		No
Design of the overcurrent release		ETU320
Protective function of the overcurrent release		LI
Product property / for zero conductors / up/downgradable / short-circuit and overload protection		No
Continuous current / rated value	A	100
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

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

Motor rating data:

Product function / phase disturbance recognition		No
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Schaltvermögen:

Breaking capacity limit short-circuit current (I_{cu})

• 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_{cs})

• 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_{cm})

• 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 I-trip / end value

A	12
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Connections:

Design of the electrical connection

• for main current circuit	Lug 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

Manufacturer article number

- 3 of the integrated auxiliary switch /alarm switch
- of integrated auxiliary trip

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C	-25 ... +70
°C	-40 ... +80

Dimensions and weights:

Width	mm	140
Height	mm	181
Depth	mm	107
Net weight	g	2,930

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/3VA2010-5HL42-0AA0>

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

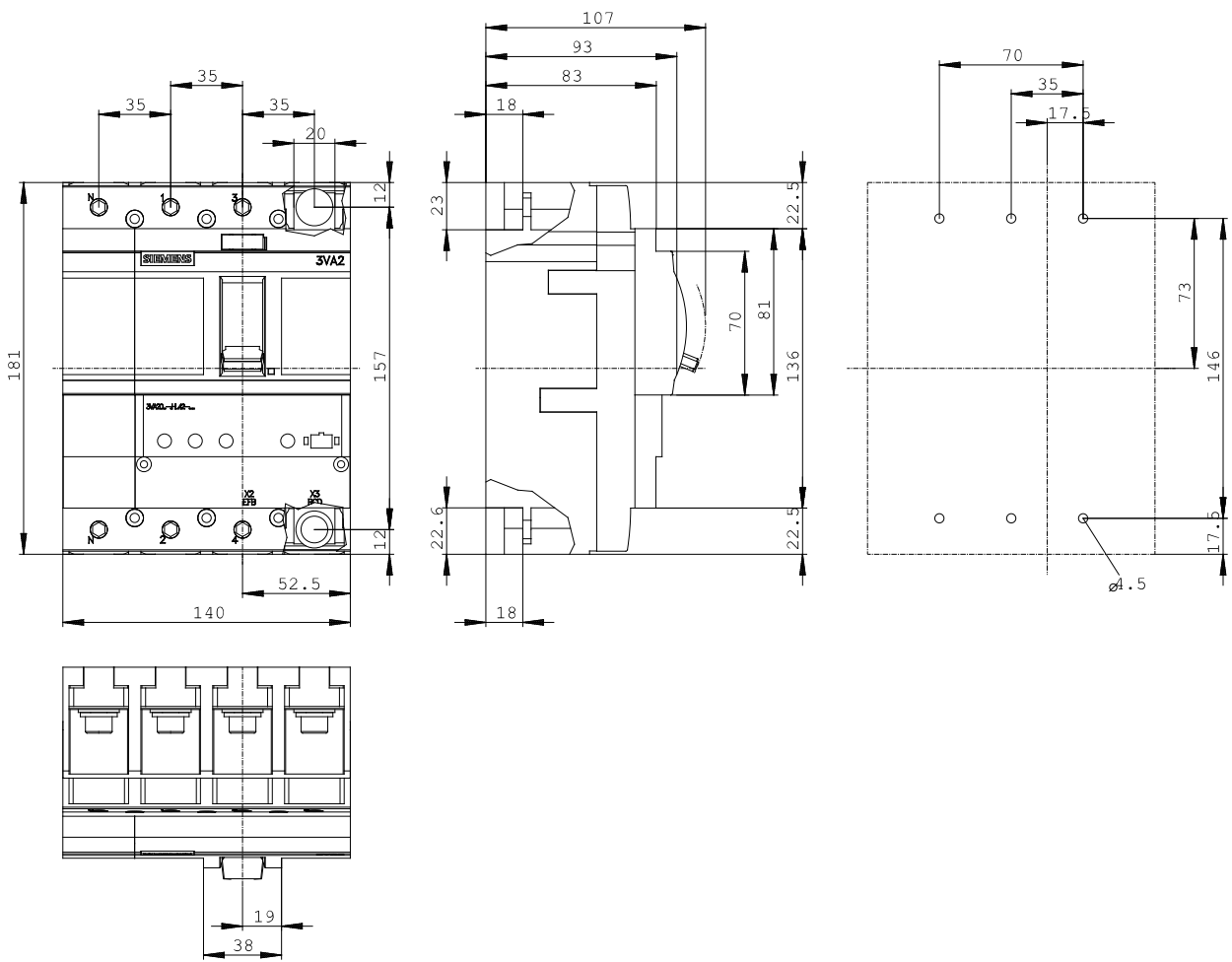
<http://support.automation.siemens.com/WW/view/en/3VA2010-5HL42-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2010-5HL42-0AA0

CAX-Online-Generator

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



last change:

May 14, 2014