SIEMENS

Product data sheet 3VA2010-5HN42-0AA0

Similar to image

CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU350, LSI, IN=100A OVERLOAD PROTECTION IR=40A ...100A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=12 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,50%,100%) BUSBAR CONNECTION

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		ETU350
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	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

Schaltvermögen:

Breaking capacity limit short-circuit current (Icu)		
• 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 (Ics)		
• 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 (Icm)		
• 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	12
Adjustable response current		
• of the short-time delayed short-circuit release	A	1.5 … 10
Settable delay / of the S-trip		
• with I2t characteristic	s	0.02 … 0.4
Settable current response value / of I-trip / end value	A	12

Connections:

Design of the electrical connection		
• for main current circuit		Lug Terminal

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	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:

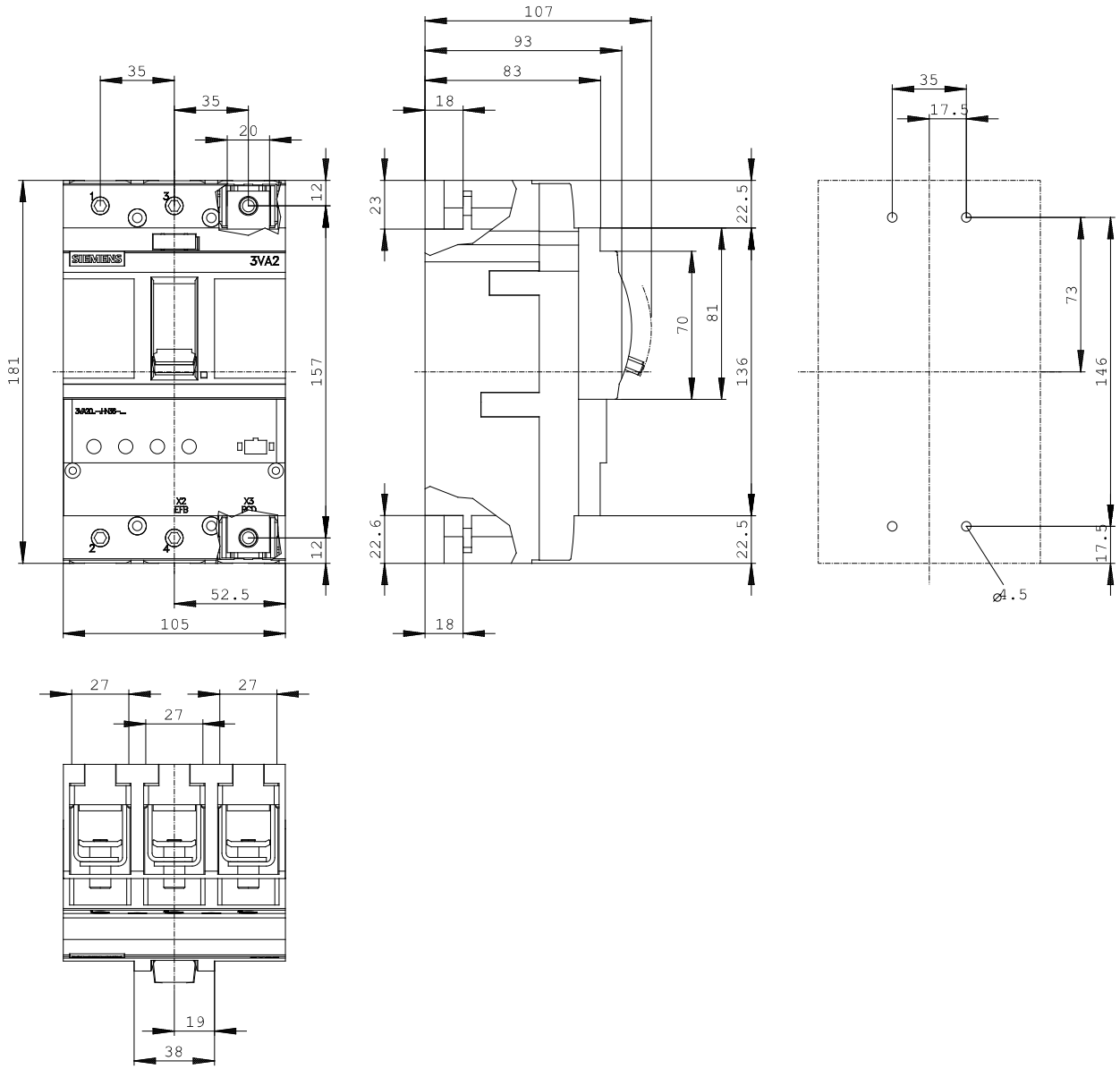
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA2010-5HN42-0AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VA2010-5HN42-0AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2010-5HN42-0AA0

CAx-Online-Generator
http://www.siemens.com/cax



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