SIEMENS

Data sheet 3VA2340-6HN42-0AA0

circuit breaker 3VA2 IEC frame 400 breaking capacity class H Icu=85kA @ 415V 4-pole, line protection ETU350, LSI, In=400A overload protection Ir=160A...400A short-circuit protection Isd=1.5...10 x Ir, Ii=10 x In N conductor protection adjustable (OFF, 50%, 100%) nut keeper kit

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	ETU350
protection function of the overcurrent release	LSI
number of poles	4
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	96 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	32 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 200
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Without
product function	
● communication function	No
● other measurement function	No
Net Weight	6.024 kg
Current	
operational current	
● at 40 °C	400 A
● at 45 °C	400 A
● at 50 °C	400 A
● at 55 °C	385 A
● at 60 °C	370 A
● at 65 °C	355 A
● at 70 °C	340 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	H
maximum short-circuit current breaking capacity (Icu)	
● at 240 V	110 kA
● at 415 V	85 kA
● at 440 V	85 kA
● at 500 V	55 kA
● at 690 V	5 kA
operating short-circuit current breaking capacity (Ics)	

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● at 240 V	110 kA
● at 415 V	85 kA
● at 440 V	85 kA
● at 500 V	55 kA
● at 690 V	5 kA
short-circuit current making capacity (Icm)	
● at 240 V	242 kA
● at 415 V	187 kA
● at 440 V	187 kA
● at 500 V	121 kA
● at 690 V	7.5 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
● minimum	160 A
● maximum	400 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
● minimum	0.5 s
● maximum	17 s
adjustable response value setting current (Isd) / of S-trip / with I2t characteristic	
● minimum	600 A
● maximum	4 000 A
adjustable response value delay time (tsd) / for S-tripping / with I2t characteristic	
● minimum	0.02 s
● maximum	0.4 s
adjustable response value setting current (Ii) / for I-tripping	
● minimum	4 000 A
● maximum	4 000 A
adjustable setting current (InN) / for N-tripping	
● minimum	200 A
● maximum	400 A
design of the N-conductor protection	adjustable OFF; 50%; 100%
product function / grounding protection	No
Mechanical Design	
product component	
● undervoltage release	No
● voltage trigger	No
● trip indicator	No
height [in]	9.76 in
height	248 mm
width [in]	7.24 in
width	184 mm
depth [in]	4.33 in
depth	110 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	on both sides nut keeper kit
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum	20 x 1 mm
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	35 x 10 mm
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	silver
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes

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Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	
● during operation / minimum	-25 °C
● during operation / maximum	70 °C
● during storage / minimum	-40 °C
● during storage / maximum	80 °C

Certificates	
reference code / according to IEC 81346-2	Q

General Product Approval					EMC
Confirmation	CCC	VDE	Miscellaneous	EAC	RCM

Declaration of Conformity		Test Certificates			Marine / Shipping
EG-Konf.	UKCA	Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate	ABS

Marine / Shipping					other
BUREAU VERITAS	DNV	LRS	RMRS	CCS / China Classification Society	Confirmation

other		Dangerous Good	Environment
Miscellaneous	Miscellaneous	Transport Information	Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2340-6HN42-0AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-6HN42-0AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-6HN42-0AA0
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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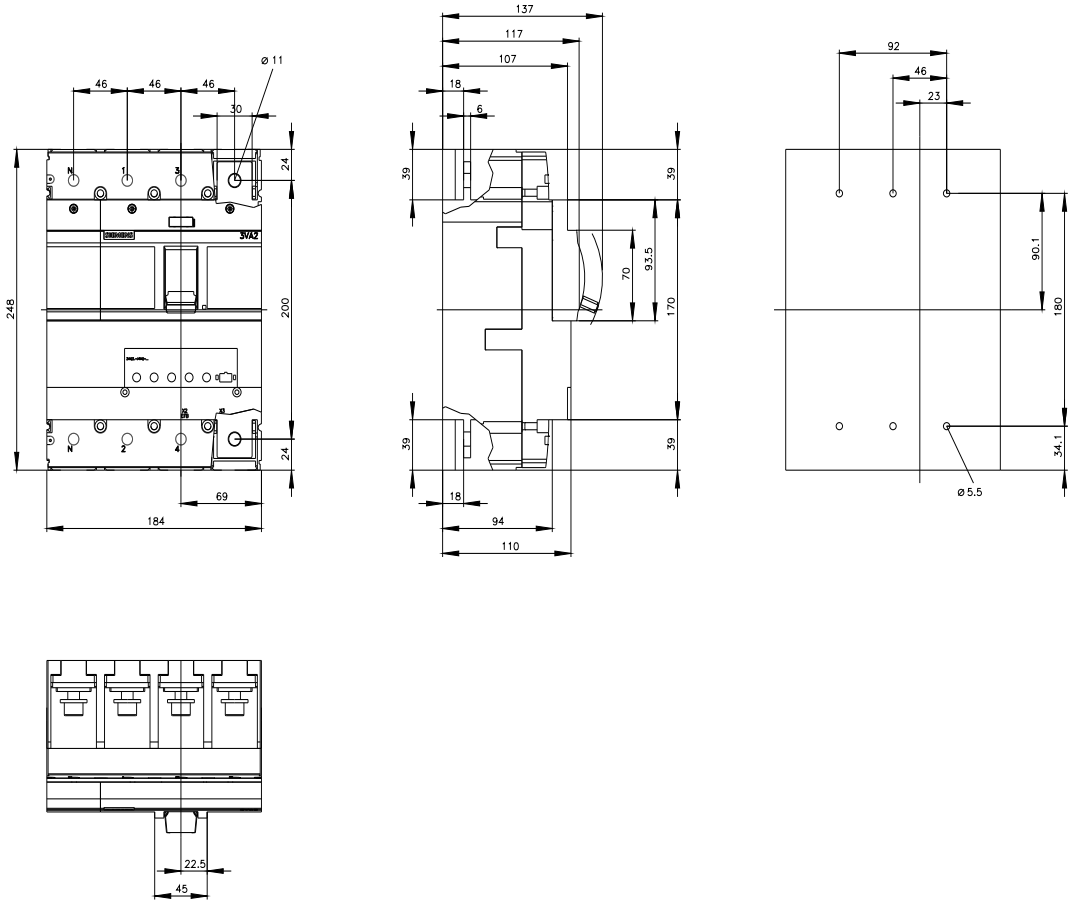

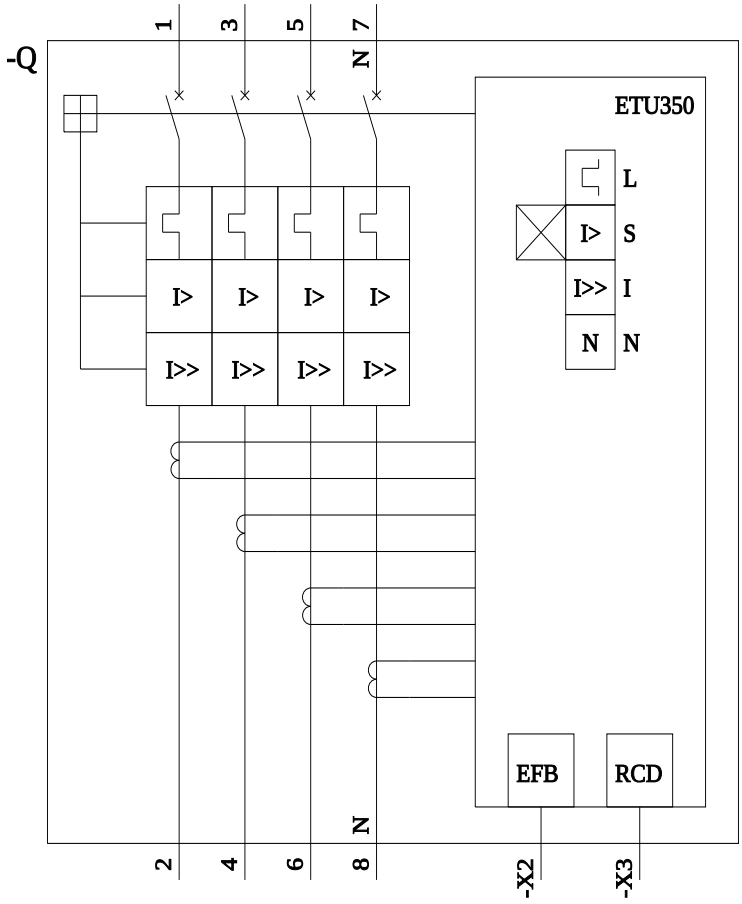

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