Data sheet

3VA2440-8HL42-0AA0



circuit breaker 3VA2 IEC frame 630 breaking capacity class L Icu=150kA @ 415V 4-pole, line protection ETU320, LI, In=400A overload protection Ir=160A...400A short-circuit protection Ii=1.5...11 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	ETU320	
protection function of the overcurrent release	Ц	
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	63.5 W	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	21.17 W	
mechanical service life (operating cycles) / typical	20 000	
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	5 000	
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 500	
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	4.8 kg	
Current		
short-time withstand current (Icw) / limited to 1 s	5 kA	
operational current		
• at 40 °C	400 A	
• at 45 °C	400 A	
● at 50 °C	400 A	
● at 55 °C	400 A	
● at 60 °C	400 A	
• at 65 °C	400 A	
• at 70 °C	400 A	
Switching capacity according to IEC 60947		
switching capacity class of the circuit breaker	L	
maximum short-circuit current breaking capacity (lcu)		
● at 240 V	200 kA	
• at 415 V	150 kA	
• at 440 V	150 kA	
• at 500 V	100 kA	
● at 690 V	25 kA	

 at 415 V at 440 V at 500 V 	00 kA 50 kA 50 kA
 at 415 V at 440 V at 500 V 	50 kA 50 kA
• at 440 V 15 • at 500 V 10	50 kA
• at 500 V	
• at 690 V	00 kA
	8 kA
short-circuit current making capacity (lcm)	
• at 240 V	40 kA
• at 415 V	30 kA
• at 440 V	30 kA
• at 500 V	20 kA
• at 690 V	2.5 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	lo
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
• minimum 16	60 A
• maximum 40	00 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum 0.	.5 s
• maximum 17	7 s
adjustable response value setting current (li) / for I-tripping	
	00 A
• maximum 4	400 A
adjustable absolute value setting current (InN) / for N-tripping	
	00 A
	00 A
	djustable OFF; 50%; 100%
product function / grounding protection	
Mechanical Design	
product component	
undervoltage release	lo
• voltage trigger N	
• trip indicator N	
	.76 in
	48 mm
	.24 in
	84 mm
	.33 in
	10 mm
<u> </u>	10 111111
Connections	
	ront terminal
	n both sides nut keeper kit
terminal connection / minimum	0 x 1 mm
terminal connection / maximum	5 x 10 mm
switch (N, 1, 3, 5)	ilver
switch (N, 2, 4, 6)	ilver
Auxiliary circuit	
number of CO contacts / for auxiliary contacts 0	
Accessories	
product extension / optional / motor drive	'es
product extension? optional? motor drive	
Environmental conditions	
Environmental conditions	P40
Environmental conditions	240
Environmental conditions protection class IP / on the front IP ambient temperature	P40 25 °C
Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum -2	

80 °C • during storage / maximum reference code / according to IEC 81346-2 Q

General Product Approval

Declaration of Conformity

Confirmation



Miscellaneous







Declaration of Conformity

Test Certificates

Marine / Shipping

EMC

other



Special Test Certific-

Type Test Certificates/Test Report

Miscellaneous

CCS / China Classification Society

Miscellaneous

other

Dangerous Good

Environment

Confirmation

Miscellaneous

Transport Information

Environmental Confirmations

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=3VA2440-8HL42-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA2440-8HL42-0AA0

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

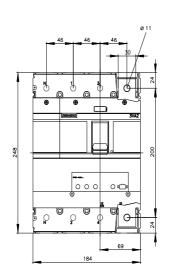
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2440-8HL42-0AA0

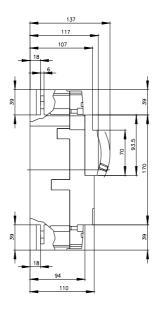
CAx-Online-Generator

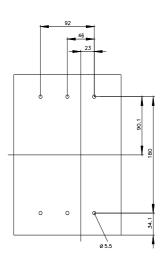
http://www.siemens.com/cax

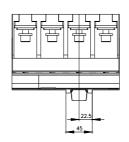
Tender specifications

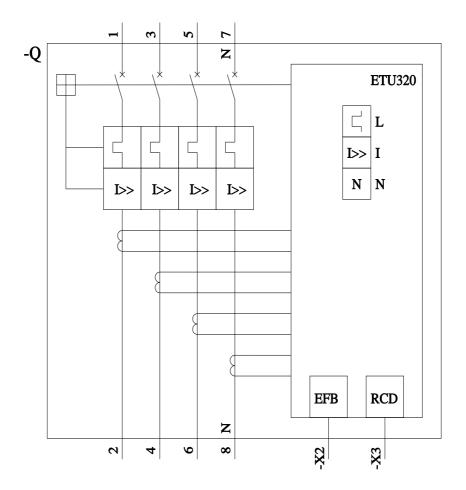
http://www.siemens.com/specifications











last modified: 7/19/2022 🖸

