



Figure similar

CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING
CAPACITY CLASS M ICU=55KA @ 415 V 4-POLE,
LINE PROTECTION ETU320, LI, IN=400A OVERLOAD
PROTECTION IR=160A ...400A SHORT CIRCUIT
PROTECTION II=1,5...10 X IN NEUTRAL
PROTECTION ADJUSTABLE(OFF,50%,100%)
BUSBAR CONNECTION

Model		
product brand name		SENTRON
Product designation		Molded case circuit breaker
Design of the product		Line protection
Product variations		Selective Applications
Ground fault monitoring version		Without
Design of the operating mechanism		toggle handle
Type of the driving mechanism / motor drive		No
Design of the overcurrent release		ETU320
General technical data		
Number of poles		4
Trip class / of the L-trip / with I ² t characteristic / initial value		0.5
Trip class / of the L-trip / with I ² t characteristic / Full-scale value		17
Electrical endurance (switching cycles)		
• at AC-1 / at 380/415 V / at 50/60 Hz		6 000
Mechanical service life (switching cycles) / typical		15 000
Voltage		
Insulation voltage / Rated value	V	800
Protection class		
Protection class IP		IP40
Protection class IP / on the front		IP40
Protective function of the overcurrent release		LI

Switching capacity		
Switching capacity class of the circuit breaker		M
Dissipation		
Active power loss		
• maximum	W	70
Electricity		
Continuous current / Rated value / maximum	A	400
Continuous current / Rated value	A	400
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
Operating current		
• at 40 °C / Rated value	A	400
• at 50 °C / Rated value	A	400
• at 60 °C / Rated value	A	380
• at 65 °C / Rated value	A	368
• at 70 °C / Rated value	A	352
Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Suitability		
Suitability for use		system protection
Adjustable parameters		
Adjustable response value current / of the current-dependent overload release / initial value	A	400
Product details		
Product component		
• Trip indicator		No
• display		No
• undervoltage release		No
Product property		
• for neutral conductors / upgradeable/retrofitable / Short-circuit and overload proof		No
Product expansion / optional / motor drive		Yes
Product function		
Product function		
• Intrinsic device protection		Yes
• communication function		No

- other measurement function

No

Short circuit

Operational short-circuit current breaking capacity (Ics)		
• at 240 V / Rated value	kA	85
• at 415 V / Rated value	kA	55
• at 690 V / Rated value	kA	5
Maximum short-circuit current breaking capacity (Icu)		
• at 240 V / Rated value	kA	85
• at 415 V / Rated value	kA	55
• at 690 V / Rated value	kA	5
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	7.5

Connections

Arrangement of electrical connectors / for main current circuit		Front terminal
Type of connectable conductor cross-section		
• for flat-bar terminal connection / minimum		20 x 1
• for flat-bar terminal connection / maximum		35 x 10
Type of electrical connection / for main current circuit		Lug terminal

Mechanical Design

Height	mm	248
Width	mm	184
Depth	mm	137
Mounting type		fixed mounting
Net weight	g	4 800

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	80

Certificates

Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

General Product Approval		EMC	Test Certificates	other
			other	Type Test Certificates/Test Report
CCC	VDE			other

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/3VA23405HL420AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VA23405HL420AA0/all>

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

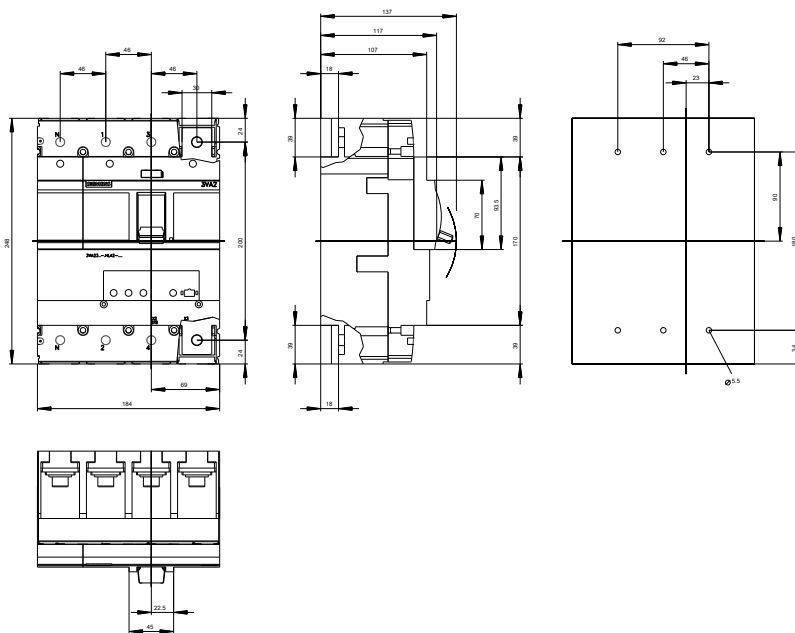
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA23405HL420AA0

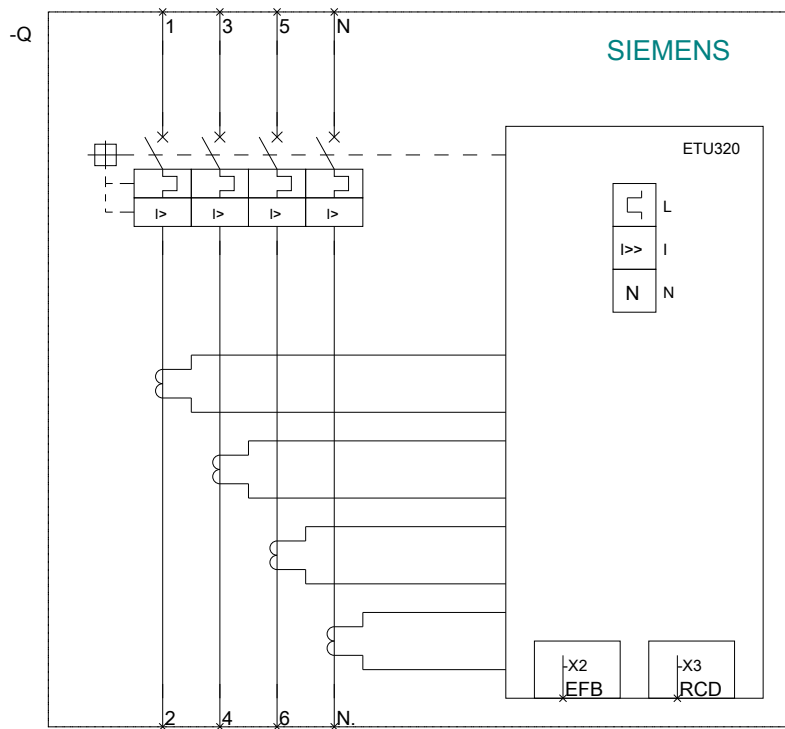
CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>





last modified:

04.05.2015