SIEMENS

Data sheet 3VA2040-4HL32-0AA0

circuit breaker 3VA2 IEC frame 100 breaking capacity class S Icu=36kA @ 415 V 3pole, line protection ETU320, Ii, In=40A overload protection Ir=16A ...40A short circuit protection iI=1,5...12 x In busbar connection

Model	
Product brand name	SENTRON
Product designation	Molded case circuit breaker
Design of the product	Line protection
Design of the overcurrent release	ETU320
Protective function of the overcurrent release	LI
Number of poles	3

General technical data	
Tension assignée d'isolement Ui	800 V
Max. rated operational voltage Ue with AC 50/60Hz	690 V
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	0 W
Mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	12 000
Neutral conductors / upgradeable/retrofittable	No
Ground fault monitoring version	Without
Product function	
• communication function	No

• other measurement function	No
Net weight	2.3 kg

Electricity	
Max. rated operational voltage of the size of the circuit-breaker	100 A
Courant permanent assigné Iu	40 A
Operating current	
• at 40 °C	40 A
• at 45 °C	40 A
• at 50 °C	40 A
• at 55 °C	40 A
• at 60 °C	40 A
• at 65 °C	40 A
• at 70 °C	40 A

Switching capacity according to IEC 60947	
Switching capacity class of the circuit breaker	S
Maximum short-circuit current breaking capacity (Icu)	
• at 240 V	55 kA
• at 415 V	36 kA
• at 440 V	36 kA
• at 500 V	25 kA
• at 690 V	2 kA
Operational short-circuit current breaking capacity (Ics)	
• at 240 V	55 kA
• at 415 V	36 kA
• at 440 V	36 kA
• at 500 V	25 kA
• at 690 V	2 kA
Short-circuit current making capacity (Icm)	
• at 240 V	121 kA
• at 415 V	76 kA
• at 440 V	76 kA
• at 500 V	53 kA
• at 690 V	3 kA

Adjustable parameters	
Adjustable response value current / Ig min.	16 A
Adjustable response value current / Ig min.	40 A
Adjustable response value current / Ig min.	0.5
Adjustable response value current / Ig min.	17

Short-term delayed / tripping switchable / I2t=ON/OFF	No
Adjustable response value current / Ii min.	60 A
Adjustable response value current / Ii max.	480 A
Ground fault protection / tripping switchable / I2t=ON/OFF	No

Mechanical Design	
Height [in]	7.1 in
Height	181 mm
Width [in]	4.1 in
Width	105 mm
Depth [in]	4.2 in
Depth	107 mm

Connections	
Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Lug terminal
Type of connectable conductor cross-section, connection screw, width x thickness , min.	13 x 1 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	25 x 8.5

Auxiliary circuit	
Number of CO contacts / for auxiliary contacts	0

Accessories	
Product extension / optional / motor drive	Yes

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 / acc. to DIN EN 81346-2	Q

General Product Approval			EMC	Test Certificates	
VDE	Miscellaneous	EAC	RCM	Type Test Certificates/Test Report	Miscellaneous

Test Certificates	other
Special Test Certificate	Miscellaneous

Further information

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

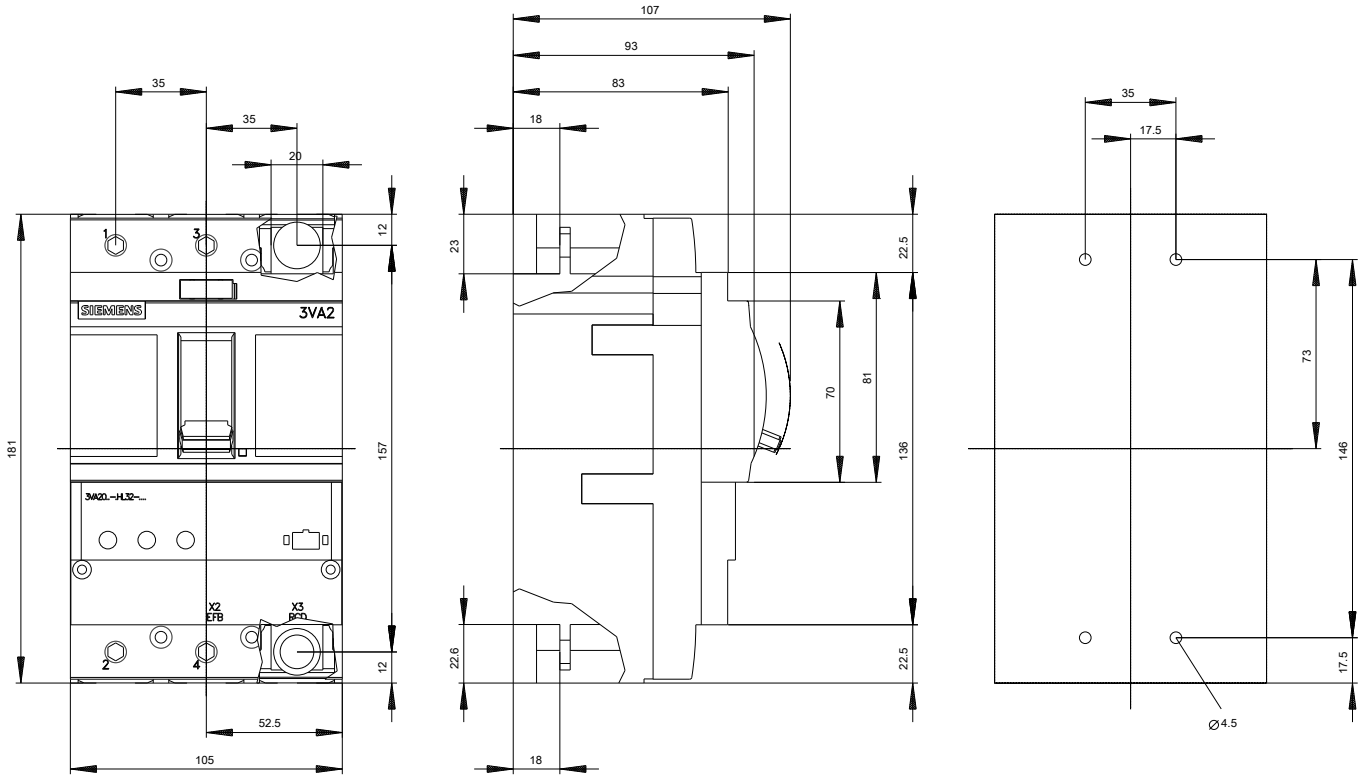
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2040-4HL32-0AA0

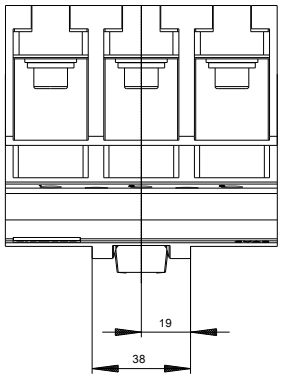
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2040-4HL32-0AA0

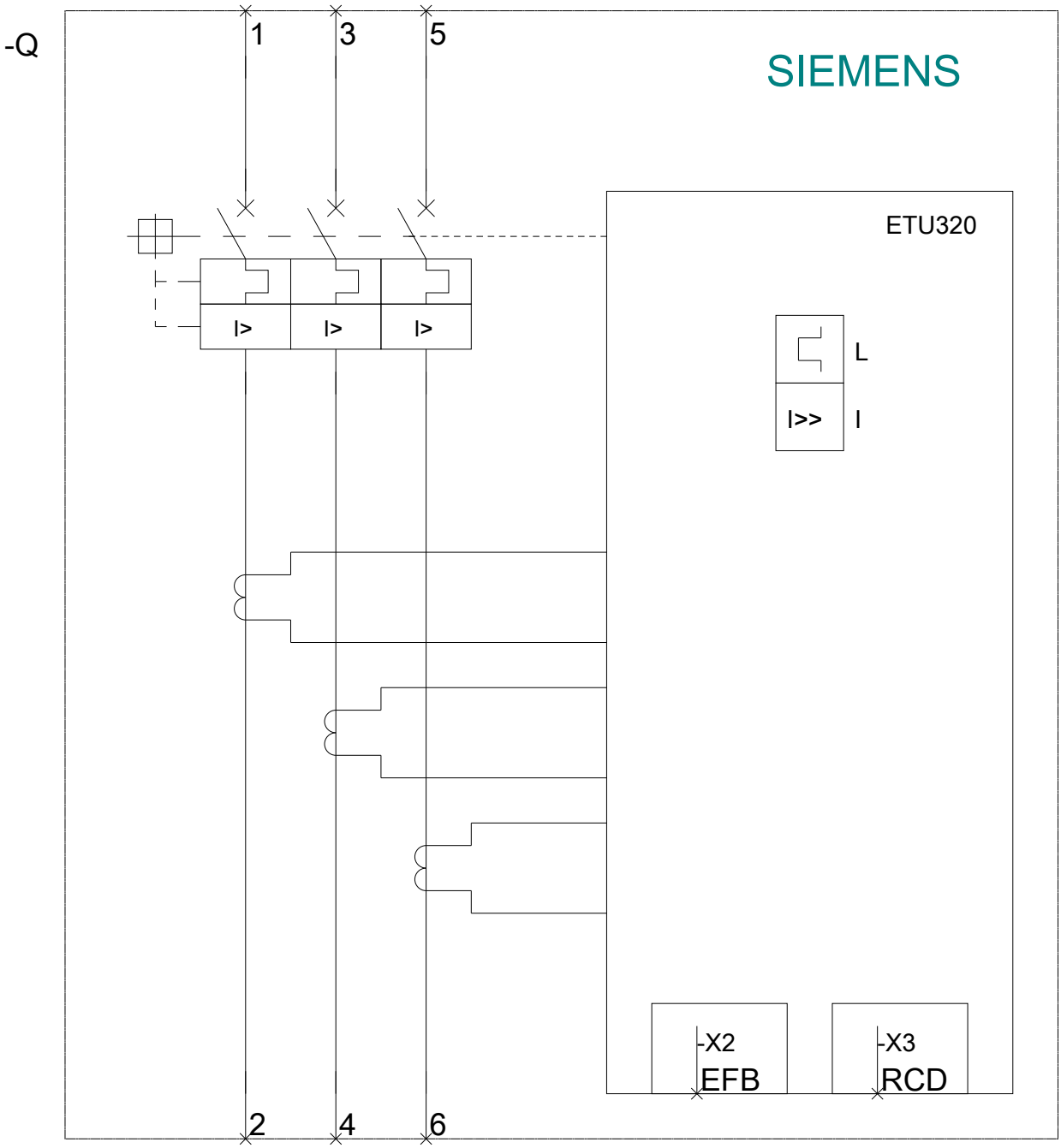
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2040-4HL32-0AA0

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

Tender specifications
http://www.siemens.com/specifications







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