

fixed-mounted circuit breakers 3-pole, frame size 0, IEC In=1250A to 690V, 50/60Hz AC Icu=55kA at 415V Icu=50kA at 500V Icu=42kA at 690V ETU320 electronic trip units li rotary coding switch with tripped signaling switch, RTC and 4Aux auxiliary switches protection adjustable I: Ir 0.4-1 In ii 1-15 In w. var. n conductor protection front main connections no communication link, no metering funct. Motorized operating mechanism 24...30 V AC/DC incl. S21 spring energy store switch for charge status indication With mechanical closing Without 2nd auxiliary release With 1st aux. release, ST Shunt release 240-250 V AC/DC

Model	
product brand name	SENTRON
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
type of the driving mechanism	Manual/motorized operating mechanism with spring charged signaling switch S21
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	ETU320
General technical data	
number of poles	3
Voltage	
insulation voltage / rated value	1 000 V
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
protection class IP / on the front	IP20
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	40.7 W
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	4
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 current response value current / of the current-dependent overload release / initial value	500 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	No
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
• phase failure detection	Yes
Display and operation	
display version	Without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	55 kA
• at 440 V / rated value	55 kA
• at 500 V / rated value	50 kA
• at 690 V / rated value	42 kA
maximum short-circuit current breaking capacity (Icu)	

- at 415 V / rated value 55 kA
- at 440 V / rated value 55 kA
- at 500 V / rated value 50 kA
- at 690 V / rated value 42 kA

Connections

arrangement of electrical connectors / for main current circuit	Main terminal on the front
type of electrical connection / for main current circuit	busbar connection

Mechanical Design

height	296 mm
width	210 mm
depth	183 mm
fastening method	Fixed-mounted circuit breakers
net weight	14 kg

Environmental conditions

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

General Product Approval

EMC

Declaration of Conformity

[Confirmation](#)



Test Certificates

other

Dangerous Good

[Miscellaneous](#)

[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Transport Information](#)

[Dangerous Goods Information](#)

Environment

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1012-2AB03-1AA8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1012-2AB03-1AA8>

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

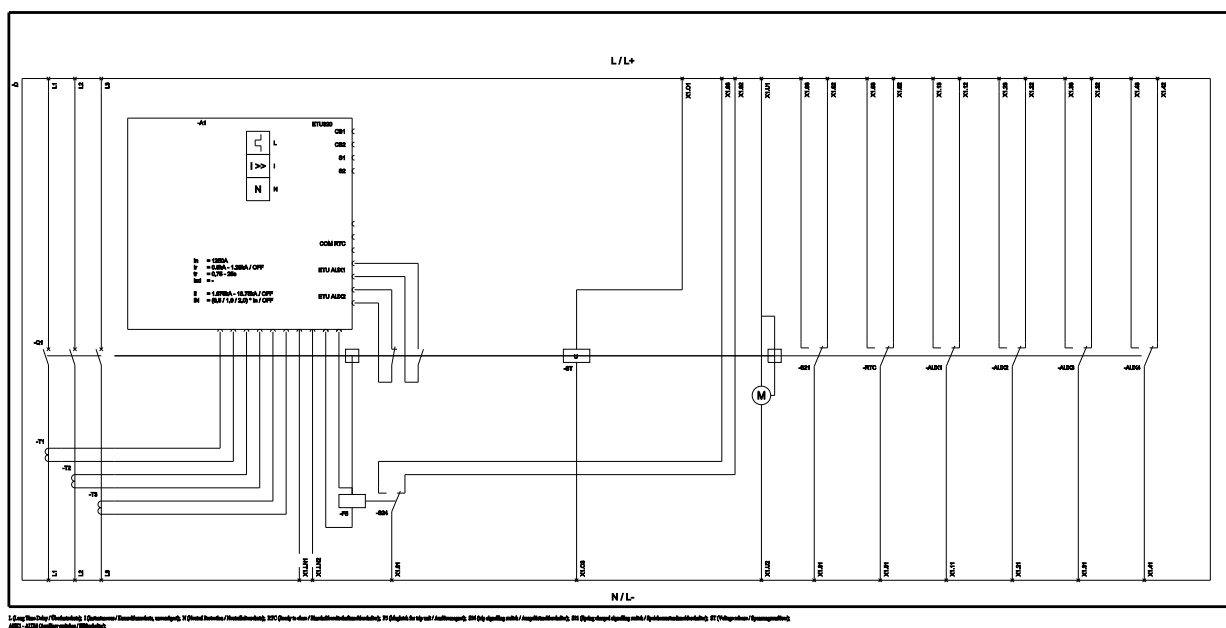
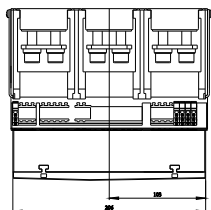
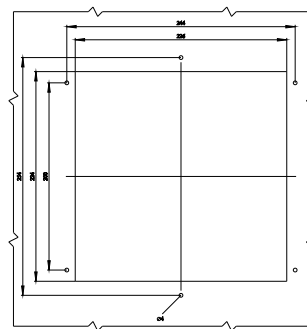
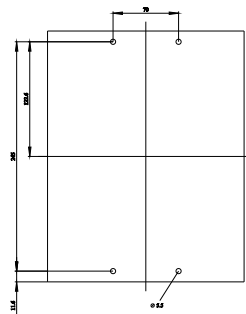
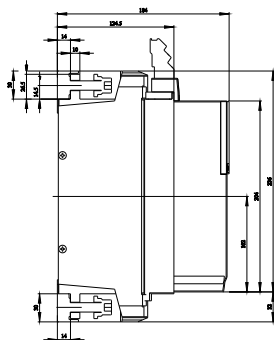
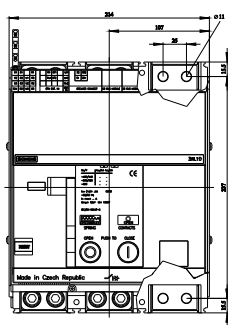
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1012-2AB03-1AA8

CAX-Online-Generator

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

Tender specifications

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



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3/11/2020

