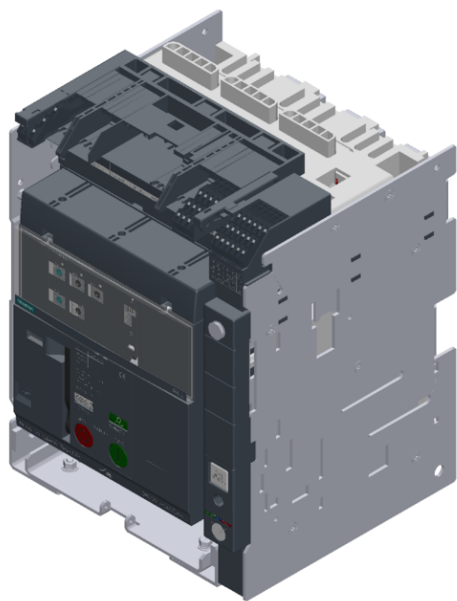


withdrawable circuit breakers with guide frame and PSS 3-pole, frame size 0, IEC In=1250A to 690V, 50/60Hz AC Icu=42kA at 415V Icu=42kA at 500V ETU350 electronic trip units LSI rotary coding switch with tripped signaling switch, RTC and 4Aux auxiliary switches protection adjustable I: Ir 0.4-1 In s: isd 1-10 In; I:ii 1-15 In w. var. n conductor protection rear horizontal connection no communication link, no metering funct. Motorized operating mechanism 220...250 V AC/DC incl. S21 spring energy store switch for charge status indication With mechanical closing Without 2nd auxiliary release Without 1st auxiliary release



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	ETU350
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
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	81.3 W
Current	
continuous current / rated value	1 250 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 250 A
• of instantaneous short-circuit trip unit / initial value	1 875 A
• of instantaneous short-circuit trip unit / full-scale value	18 750 A
short-time withstand current (I _{cw})	
• limited to 1 s / rated value	42 kA
• limited to 2 s / rated value	24 kA
• at AC / at 415 V / limited to 0.5 s / rated value	42 kA
• at AC / at 415 V / limited to 3 s / rated value	24 kA
Main circuit	
operational current	
• at 40 °C / rated value	1 250 A
• at 50 °C / rated value	1 250 A
• at 55 °C / rated value	1 250 A
• at 60 °C / rated value	1 250 A
• at 65 °C / rated value	1 250 A
• at 70 °C / rated value	1 250 A
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 short-time delayed short-circuit release / initial value	1 250 A
• of the short-time delayed short-circuit release / full-scale value	12 500 A
adjustable current response value current / of the current-dependent overload release / initial value	500 A

Product details

product component	
• trip indicator	Yes
• voltage trigger	No
• 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
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Short circuit

• breaking capacity operating short-circuit current (Ics) / at 415 V / rated value	42 kA
• breaking capacity operating short-circuit current (Ics) / at 440 V / rated value	42 kA
• breaking capacity operating short-circuit current (Ics) / at 500 V / rated value	42 kA
• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value	42 kA
• breaking capacity maximum short-circuit current (Icu) / at 440 V / rated value	42 kA
• breaking capacity maximum short-circuit current (Icu) / at 480 V / rated value	42 kA
• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value	42 kA

Connections

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

Mechanical Design

height	363 mm
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width	278 mm
depth	271 mm
fastening method	Withdrawable circuit breakers
net weight	38 kg

Environmental conditions

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

Certificates

reference code	
• acc. to DIN EN 61346-2	Q
• acc. to IEC 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	other
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CCC



EG-Konf.

[Miscellaneous](#)

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

other

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1012-1AC32-4AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1012-1AC32-4AA0>

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

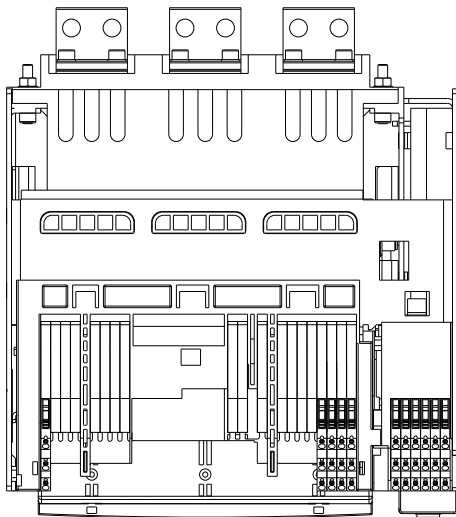
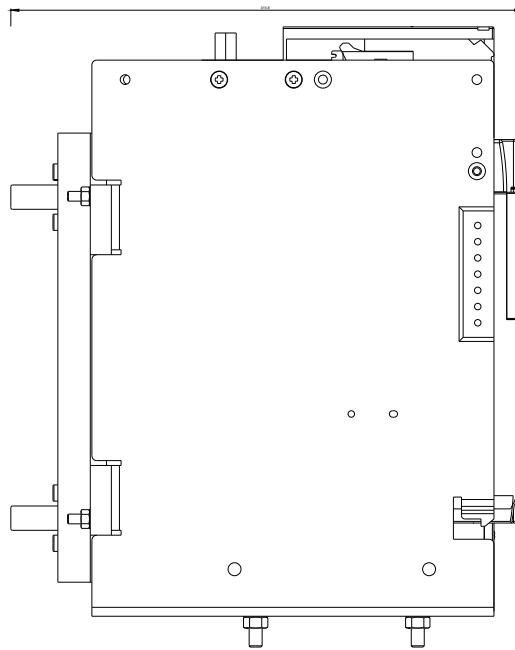
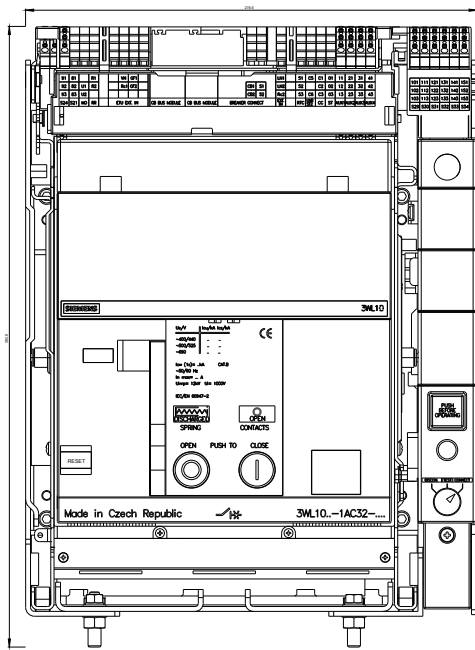
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1012-1AC32-4AA0

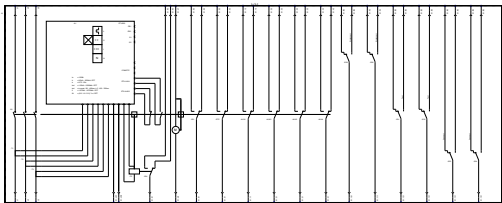
CAX-Online-Generator

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

Tender specifications

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





last modified:

11/26/2020