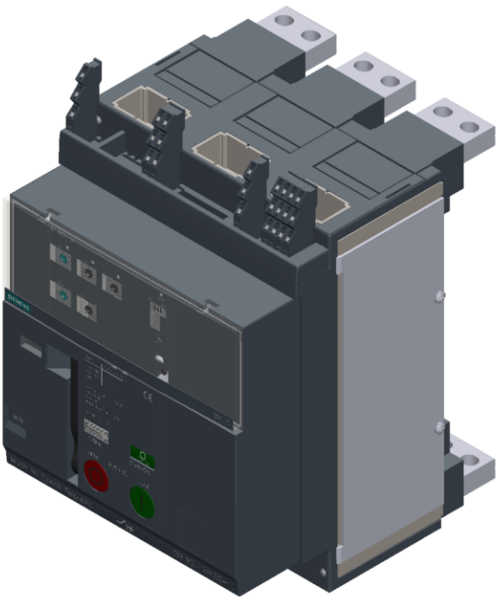




fixed-mounted circuit breakers 3-pole, frame size 0, IEC In=1000A to 690V, 50/60Hz AC Icu=55kA at 415V Icu=50kA at 500V Icu=42kA at 690V ETU350 electronic trip units LSI rotary coding switch with tripped signaling switch, rtc and 4Aux auxiliary switches protection adjustable I: Ir 0.4-1 In s: isd 1-10 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 electr. and mech. closing Closing coil (CC) 220-240VAC/DC W/ 2nd aux. rel. UVR, instant. Undervoltage 220-240 V AC/DC With 1st aux. release, ST Shunt release 220-240 V AC/DC

Model	
product brand name	SENTRON
design of the product	IEC 60947-2
design of the operating mechanism	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	26 W
Current	
continuous current / rated value	1 000 A
adjustable pick-up value current	
• of the current-dependent overload release / full-scale value	1 000 A
• of instantaneous short-circuit trip unit / initial value	1 500 A
• of instantaneous short-circuit trip unit / full-scale value	15 000 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	
operating current	
• at 40 °C / rated value	1 000 A
• at 50 °C / rated value	1 000 A
• at 55 °C / rated value	1 000 A
• at 60 °C / rated value	1 000 A
• at 65 °C / rated value	1 000 A
• at 70 °C / rated value	1 000 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 pick-up value current	
• of the short-time delayed short-circuit release / initial value	1 000 A
• of the short-time delayed short-circuit release / full-scale value	10 000 A
adjustable pick-up value current / of the current-dependent overload release / initial value	400 A

Product details

product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
product extension / optional / motor drive	No

Product function

product function	
• ground fault protection	No
• phase failure detection	Yes

Display and operation

display version	Without display
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Short circuit

operational 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 rear horizontal
type of electrical connection	
• for main current circuit	busbar connection

Mechanical Design

height	296 mm
width	210 mm
depth	183 mm
mounting type	Fixed-mounted circuit breakers

net weight	14 kg
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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 DIN EN 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	other		
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CCC



EG-Konf.

[Miscellaneous](#)

[Environmental Confirmations](#)

[Manufacturer Declaration](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1010-2AC02-4HH7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1010-2AC02-4HH7>

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

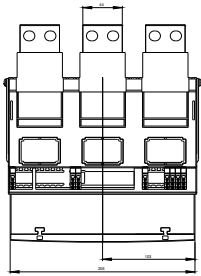
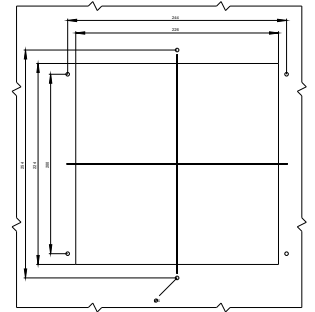
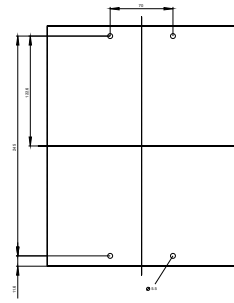
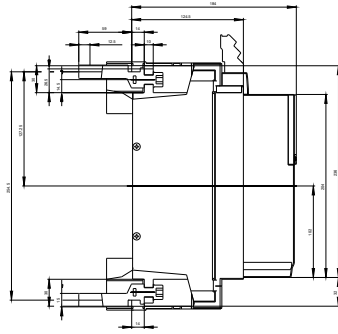
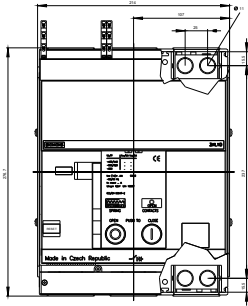
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1010-2AC02-4HH7

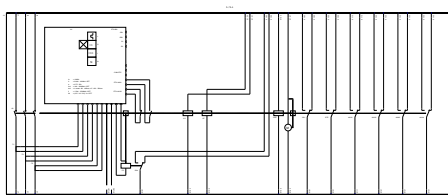
CAX-Online-Generator

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

Tender specifications

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





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10/01/2020