

withdraw. non-aut. circuit-b. without guide frame 4-pole, size II, IEC In=1600A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal without overcurrent release Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 208-240 V AC, 220-250 V DC, 100% ED 2NO+2NC

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
type of the driving mechanism	Manual/motorized operating mechanism with mechanical and electrical closing
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	without
General technical data	
number of poles	4
size of the circuit-breaker	2
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
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
• protection function of the overcurrent release	without
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	58.7 W
• maximum	175 W
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
Suitability	
suitability for use	Contact unit without release
Product details	
product component	
• trip indicator	No
• voltage trigger	No
• undervoltage release	Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
Display and operation	

display version	without display
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Short circuit

operating short-circuit current breaking capacity (Ics)	
<ul style="list-style-type: none"> at 415 V / rated value at 500 V / rated value at 690 V / rated value 	80 kA 80 kA 75 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> at 415 V / rated value at 500 V / rated value at 690 V / rated value 	80 kA 80 kA 75 kA

Connections

arrangement of electrical connectors / for main current circuit	without guide frame
type of electrical connection / for main current circuit	Blade contacts

Mechanical Design

height	411.5 mm
width	555 mm
depth	337 mm
fastening method	drawer unit

Environmental conditions

ambient temperature / during operation	
<ul style="list-style-type: none"> minimum maximum 	-25 °C 70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> minimum maximum 	-40 °C 70 °C

General Product Approval

EMC

Declaration of Conformity



[Confirmation](#)



Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)



Marine / Shipping

other



[CCS / China Classification Society](#)



[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)

Dangerous Good

Environment

[Transport Information](#)

[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=3WL1216-3AA45-4AS2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-3AA45-4AS2>

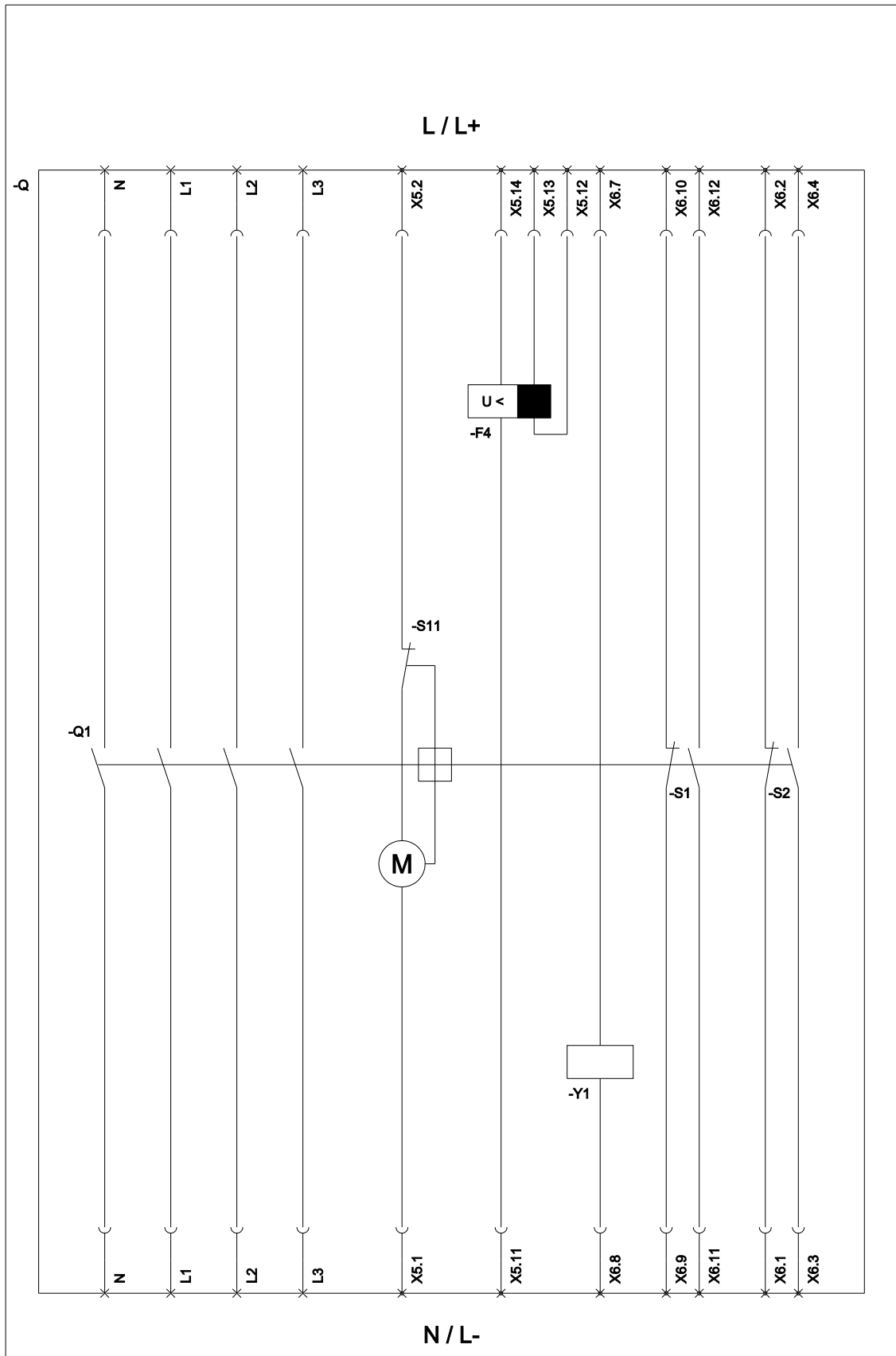
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-3AA45-4AS2

CAX-Online-Generator
<http://www.siemens.com/cax>

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





S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt);
 F4 (Undervoltage release time delayed / Unterspannungsauslöser verzögerbar); S1 - S8 (Auxiliary switch / Hilfsschalter);
 Y1 (Closing coil / Einschaltmagnet);

last modified:

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