SIEMENS

Data sheet

3WL1120-8AA72-4GG4

Fixed-mounted non-automatic air circuit switches 4-pole, Size 1, DC IEC: up to 1000 V DC, 20 kA at 1000 V DC; In=2000 A Rear horizontal connection without overcurrent release 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 With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd auxiliary release "F", F2 Shunt release 230 V AC/220 V DC, 100% on-load factor 4NO+4NC

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	1	
utilization category	В	
circuit-breaker / Design	3WL1	
Voltage		
Rated insulation voltage Ui	1 000 V	
insulation voltage / rated value	1 000 V	
operating voltage		
for main current circuit / at DC / maximum	1 000 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 	80 W	
• maximum	240 W	
Main circuit		
operating frequency		
• 1 / rated value	0 Hz	
• 2 / rated value	0 Hz	
Auxiliary circuit		
number of NC contacts / for auxiliary contacts	4	
number of NO contacts / for auxiliary contacts	4	
Suitability		
suitability for use	Contact unit without release	
Product details		
product component		
trip indicator	No	
 voltage trigger 	Yes	
undervoltage release	No	
design of the auxiliary switch	4 NO + 4 NC	
product extension / optional / motor drive	No	
Product function		
product function		
 grounding protection 	No	

Display and operation		
display version	without display	
Connections		
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal	
type of electrical connection / for main current circuit	busbar connection	
Mechanical Design		
height	439.5 mm	
width	410 mm	
depth	337 mm	
fastening method	fixed mounting	
Environmental conditions		
ambient temperature / during operation		
• minimum	-40 °C	
maximum	70 °C	
ambient temperature / during storage		
• minimum	-40 °C	
• maximum	80 °C	
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=3WL1120-8AA72-4GG4

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1120-8AA72-4GG4

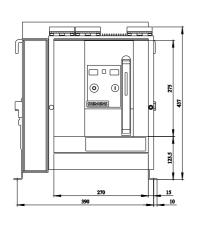
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

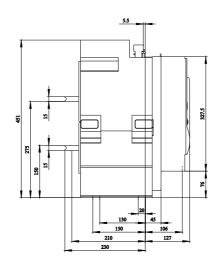
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1120-8AA72-4GG4

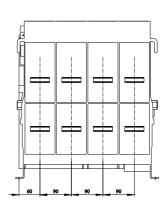
CAx-Online-Generator

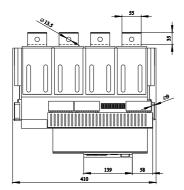
Tender specifications

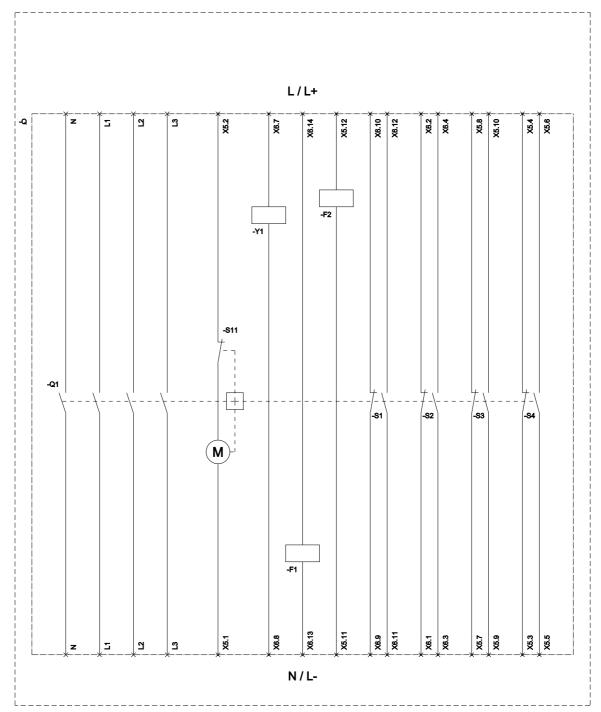
http://www.siemens.com/specifications











S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser) F2 (2nd auxiliary release / Zweiter Hilfsauslöser); S1 - S8 (Auxiliary switch / Hilfsachalter); Y1 (Closing coil / Einschaltmagnet);

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