SIEMENS

Data sheet

3WL1120-2NG76-5FM4

Draw-out circuit breaker with slide-in module frame 4-pole, Size 1, IEC In=2000 A to 690 V, 50/60 Hz AC Icu=55 kA at 500 V Rear horizontal connection Overcurrent release ETU 76 LSING protection adjustable 0.4-1 in with graphic display U cubicle bus with ground fault protection Opt.: Comm./measuring func./ZSI Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC, 100% onload factor With 2nd auxiliary release "R", F3 Undervoltage, instant. 110-127 V AC, 110-125 V DC 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	ETU76B
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	
• 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 	LSING
Dissipation	
power loss [W]	
 for rated value of the current / at AC / in hot operating state / per pole 	146.7 W
• maximum	440 W
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
Suitability	
suitability for use	Plant / motor protection
Adjustable parameters	
adjustable current response value current / of the L-trip / with I4t characteristic	
• initial value	800 A
• full-scale value	2 000 A
adjustable current response value current / of the current- dependent overload release / initial value	800 A
Product details	
product component	
characteristic	2 000 A

• trip indicator	Yes
voltage trigger	Yes
undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
Product function	
product function	
grounding protection	Yes
phase failure detection	Yes
Display and operation	
display version	With fully-graphical display
Short circuit	
operating short-circuit current breaking capacity (lcs)	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 kA
maximum short-circuit current breaking capacity (lcu)	
• at 415 V / rated value	55 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	42 kA
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	460 mm
width	410 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum	-40 °C
• maximum	55 °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=3WL1120-2NG76-5FM4

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WL1120-2NG76-5FM4
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

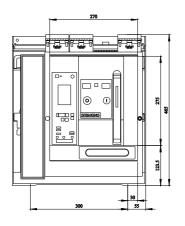
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1120-2NG76-5FM4

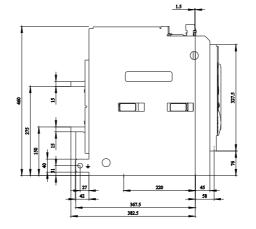
CAx-Online-Generator

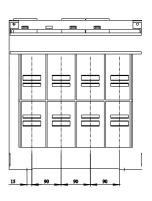
http://www.siemens.com/cax

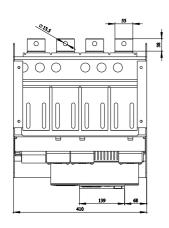
Tender specifications

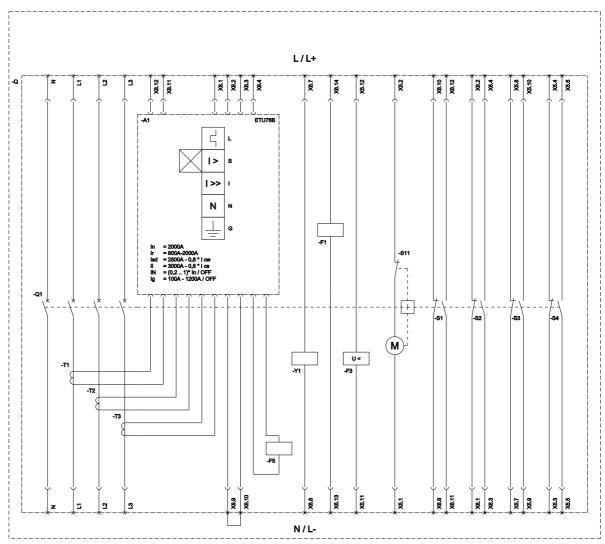
http://www.siemens.com/specifications











L (Long Time Delay (Thoristaciustic); S (Short Time Delay / Kurzachinasciust, kurzarievanāgart); I (Instantaneous / Kurzachinasciust, uveranāgart); N (Neutral Protection / Neutralieiranciustic); G (Ground Peal Protection / Revicianasciustic); SI (Instantan notor stantows weith, if spring is transported principal and protection of Revicianasciustic); SI (Instantan notor stantows weith, if spring is transported principal and protection of Revicianasciustic); SI (Instantanianasciustic); SI (Instantaniana

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