SIEMENS

Data sheet

3WL1220-3DG66-5FA4-Z C01

Draw-out circuit breaker with slide-in module frame 3-pole, Size 2, IEC In=2000 A to 690 V, 50/60 Hz AC Icu=85 kA at 500 V Rear horizontal connection Overcurrent release ETU 27 LSING protection adjustable 0.4-1 in Ground fault/N protection integrated 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% on-load factor without 2nd auxiliary release 4NO+4NC C01= mechanical switching cycle counter

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	ETU27B
General technical data	
number of poles	3
size of the circuit-breaker	2
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 	106.7 W
• maximum	320 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 current- dependent overload release / initial value	800 A
Product details	
product component	
• trip indicator	Yes
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 	Yes
 phase failure detection 	Yes
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (lcs)	
• at 415 V / rated value	85 kA
at 500 V / rated value	85 kA
• at 690 V / rated value	75 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	85 kA
at 500 V / rated value	85 kA
at 690 V / rated value	75 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	465.5 mm
width	460 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature / during storage	
minimum	40.00
• minimum	-40 °C
• maximum	-40 °C 80 °C

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=3WL1220-3DG66-5FA4-Z C01

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

https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-3DG66-5FA4-Z C01

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

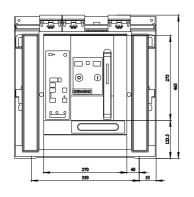
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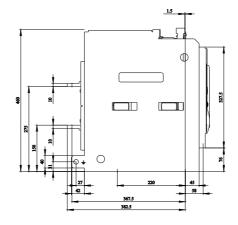
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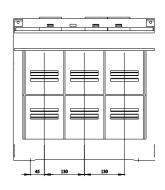
http://www.siemens.com/cax

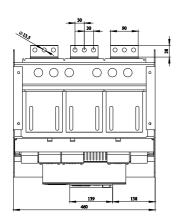
Tender specifications

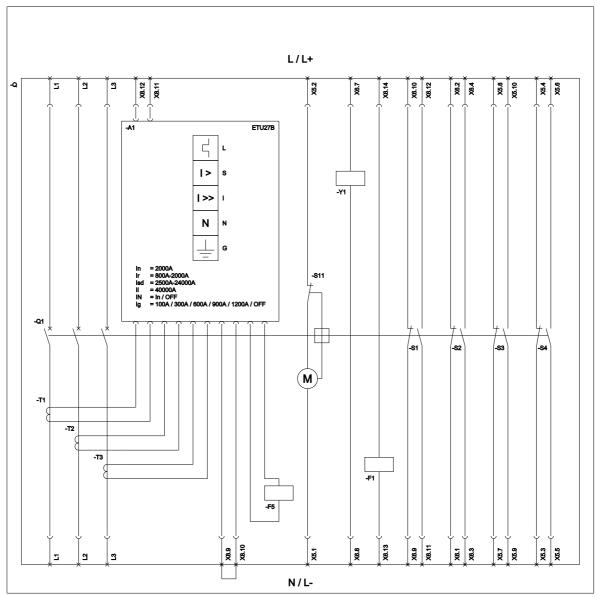
http://www.siemens.com/specifications











L (Long Time Delay / Öberlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kur G (Ground Fault Protection / Erdschlussschutz); S 11 (Instensi motor shutdown switch, if spring is tensioned / Instens Motor F1 (1st suzüliary release / Erster Hilfseuslöser); F5 (Magistch for trip unit / Auslösenagnet); S1 - S8 (Auziliary switch / Hil

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