SIEMENS

Data sheet

3WL1225-2CB66-1AA2-Z C20+C22+F40+M45+R16

Draw-out circuit breaker with slide-in module frame 3-pole, Size 2, IEC In=2500 A to 690 V, 50/60 Hz AC Icu=66 kA at 500 V Rear horizontal connection Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC C20= Spring charge status indicator not possible with option F02 C22= Ready indicator F40= Sealing disc for ETU25-76 for protection against unauthorized operation M45= Opening solenoid, overexcited 110-127 V AC/110-125 V DC 5% on-load factor, not for continuous operation R16= Position signaling switch, withdrawable part 6 changeover contacts

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 operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU25B
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 	LSI
Dissipation	
power loss [W]	
 for rated value of the current / at AC / in hot operating state / per pole 	173.3 W
• maximum	520 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	Plant / motor protection
Adjustable parameters	
adjustable current response value current / of the current- dependent overload release / initial value	1 000 A
Product details	
product component	
• trip indicator	Yes
voltage trigger	Yes
undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC

product extension / optional / motor drive	Yes
Product function	
product function	
grounding protection	No
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	66 kA
• at 500 V / rated value	66 kA
at 690 V / rated value	50 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 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 °C
• maximum	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=3WL1225-2CB66-1AA2-Z C20+C22+F40+M45+R16

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

https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2CB66-1AA2-Z C20+C22+F40+M45+R16

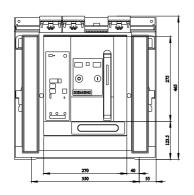
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2CB66-1AA2-Z C20+C22+F40+M45+R16

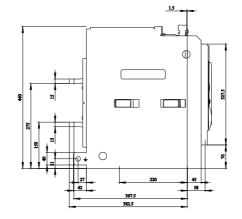
CAx-Online-Generator

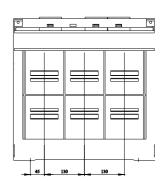
http://www.siemens.com/cax

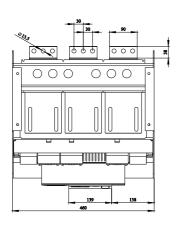
Tender specifications

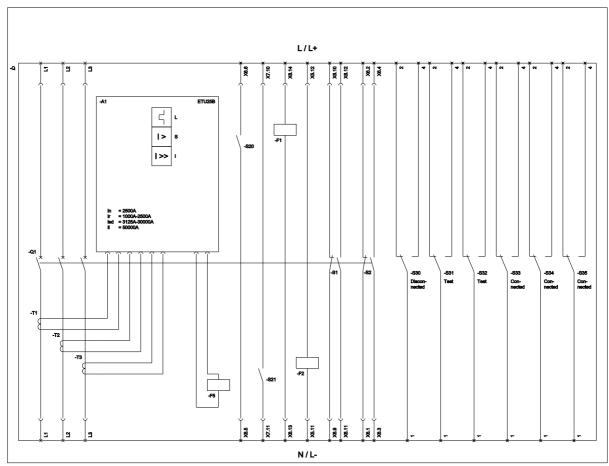
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L (Long Time Dalay / Oberlastichists); S (Short Time Dalay / Karzachlassochust, karzachla

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