## **SIEMENS**

## **Data sheet**

## 3WL1232-4CB32-1GA2-Z A05+N20

fixed-mounted circuit breaker 3-pole, size II, IEC In=3200A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor without 2nd auxiliary release 2NO+2NC A05= Version for 1000 V N20= Retrofitted to connection: top vertical, bottom horizontal

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	1 000 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]		
<ul> <li>for rated value of the current / at AC / in hot</li> </ul>	136.7 W	
operating state / per pole		
maximum	410 W	
Current		
operational current		
• at 40 °C / rated value	3 200 A	
• at 45 °C / rated value	3 200 A	
• at 50 °C / rated value	3 200 A	
at 55 °C / rated value	3 200 A	
• at 60 °C / rated value	3 020 A	
• at 65 °C / rated value	3 020 A	
at 70 °C / rated value	2 870 A	
continuous current / rated value / maximum	3 200 A	
continuous current / rated value	3 200 A	
adjustable current response value current	0.000 4	
<ul> <li>of the current-dependent overload release / full- scale value</li> </ul>	3 200 A	
<ul> <li>of instantaneous short-circuit trip unit / minimum</li> </ul>	50 000 A	
of instantaneous short-circuit trip unit / maximum	50 000 A	
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	1 280 A
Product details	
product component	
trip indicator	Yes
<ul> <li>voltage trigger</li> </ul>	Yes
<ul> <li>undervoltage release</li> </ul>	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
<ul> <li>grounding protection</li> </ul>	No
<ul> <li>phase failure detection</li> </ul>	Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (lcs)	
at 415 V / rated value	100 kA
at 500 V / rated value	100 kA
<ul><li>at 690 V / rated value</li></ul>	85 kA
breaking capacity maximum short-circuit current (Icu)	
<ul><li>at 415 V / rated value</li></ul>	100 kA
<ul><li>at 500 V / rated value</li></ul>	100 kA
<ul><li>at 690 V / rated value</li></ul>	85 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection top vertical, bottom horizontal
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	440.5 mm
width	460 mm
depth	337 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C
Further information	

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1232-4CB32-1GA2-Z A05+N20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<a href="https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-4CB32-1GA2-Z A05+N20">https://support.industry.siemens.com/cs/ww/en/ps/3WL1232-4CB32-1GA2-Z A05+N20</a>

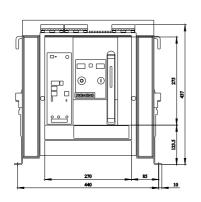
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3WL1232-4CB32-1GA2-Z A05+N20

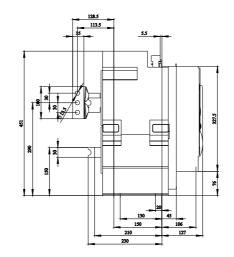
**CAx-Online-Generator** 

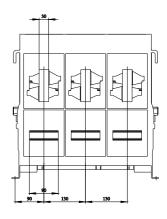
http://www.siemens.com/cax

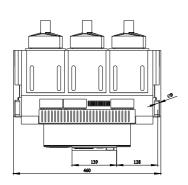
Tender specifications

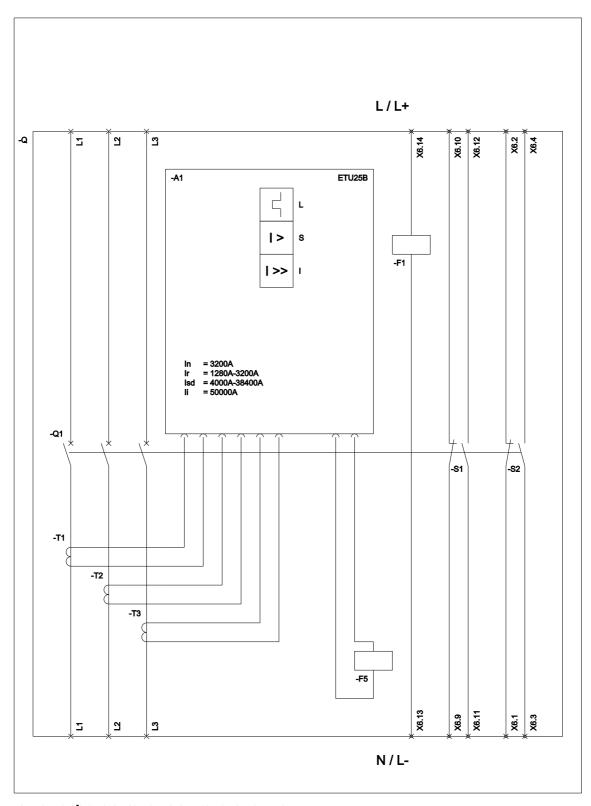
http://www.siemens.com/specifications











L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); F1 (1st auxiliary release / Erster Hilfsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);

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