SIEMENS

Data sheet

3WL1225-2DG32-4GS2-Z C22+K07+S33+T40

fixed-mounted circuit breaker 3-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal 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 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 "RC", F4 Undervoltage, Delay 0.2-3.2s 208-240 V AC, 220-250 V DC, 100% ED 2NO+2NC C22= Ready indicator K07= Tripped signaling contact, 1 CO not possible with option F02 S33= Castell/Fortress Tension lever T40= Door sealing frame

product brand name product design of the product design of the product design of the actuating element type of the driving mechanism design of the actuating element type of the driving mechanism design of the overcurrent release Ceneral technical data Tumber of poles size of the circuit-breaker utilization category circuit-breaker / Design Voltage Rated insulation voltage / rated value operating voltage a tat 50 °C / rated value operational current operational current • at 40 °C / rated value • at 55 °C / rated value • at 60 °C / rated	Woder	
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Rated insulation voltage Ui 1 000 V insulation voltage / rated value 9 1 000 V voperating voltage	utilization category	В
Rated insulation voltage Ui insulation voltage / rated value 1000 V insulation voltage / rated value 690 V Protection class P	circuit-breaker / Design	3WL1
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• for rated value of the current / at AC / in hot operating state / per pole • maximum 270 W Current operational current • at 40 °C / rated value • at 45 °C / rated value • at 55 °C / rated value • at 55 °C / rated value • at 65 °C / rated value • at 70 °C / rated value • continuous current / rated value / maximum continuous current / rated value / maximum continuous current / rated value adjustable current response value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / minimum • of instantaneous short-circuit trip unit / maximum Main circuit	Dissipation	
operating state / per pole	power loss [W]	
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operational current • at 40 °C / rated value • at 45 °C / rated value • at 50 °C / rated value • at 55 °C / rated value • at 60 °C / rated value • at 60 °C / rated value • at 60 °C / rated value • at 65 °C / rated value • at 70 °C / rated value • at 70 °C / rated value continuous current / rated value / maximum continuous current / rated value adjustable current response value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit 2 500 A 3 500 A 5 500 A 5 500 A Main circuit	• maximum	270 W
 at 40 °C / rated value at 45 °C / rated value at 50 °C / rated value at 55 °C / rated value at 60 °C / rated value at 65 °C / rated value at 65 °C / rated value at 70 °C / rated value 2500 A at 70 °C / rated value 2500 A at 70 °C / rated value 2500 A continuous current / rated value / maximum 2500 A continuous current / rated value 2500 A adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum 50 000 A Main circuit 	Current	
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 at 55 °C / rated value at 60 °C / rated value at 65 °C / rated value at 65 °C / rated value at 70 °C / rated value 2500 A at 70 °C / rated value 2280 A continuous current / rated value / maximum 2500 A continuous current / rated value adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit 	 at 45 °C / rated value 	2 500 A
 at 60 °C / rated value at 65 °C / rated value at 70 °C / rated value 2 500 A at 70 °C / rated value 2 280 A continuous current / rated value / maximum 2 500 A continuous current / rated value adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum 50 000 A Main circuit 	 at 50 °C / rated value 	2 500 A
 at 65 °C / rated value at 70 °C / rated value continuous current / rated value / maximum continuous current / rated value adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit Main circuit 2 500 A 50 000 A 50 000 A Main circuit	 at 55 °C / rated value 	2 500 A
 at 70 °C / rated value continuous current / rated value / maximum continuous current / rated value adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit Main circuit		2 500 A
continuous current / rated value / maximum 2 500 A continuous current / rated value 2 500 A adjustable current response value current • of the current-dependent overload release / full- scale value • of instantaneous short-circuit trip unit / minimum 50 000 A • of instantaneous short-circuit trip unit / maximum 50 000 A Main circuit		2 500 A
continuous current / rated value adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit 2 500 A 2 500 A 50 000 A 50 000 A	 at 70 °C / rated value 	2 280 A
adjustable current response value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit 2 500 A 50 000 A 50 000 A	continuous current / rated value / maximum	2 500 A
 of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum Main circuit 2 500 A 50 000 A 50 000 A	continuous current / rated value	2 500 A
scale value of instantaneous short-circuit trip unit / minimum of instantaneous short-circuit trip unit / maximum 50 000 A Main circuit	adjustable current response value current	
of instantaneous short-circuit trip unit / maximum	 of the current-dependent overload release / full- scale value 	2 500 A
Main circuit	 of instantaneous short-circuit trip unit / minimum 	50 000 A
	 of instantaneous short-circuit trip unit / maximum 	50 000 A
operating frequency	Main circuit	
	operating frequency	

a 1 / rotod value	50 Hz
1 / rated value 2 / rated value	60 Hz
	00 FIZ
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	Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
grounding protection	Yes
phase failure detection	Yes
Display and operation	100
	without diaplay
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	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	
Tartio Inomation	

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2DG32-4GS2-Z C22+K07+S33+T40

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

https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2DG32-4GS2-Z C22+K07+S33+T40

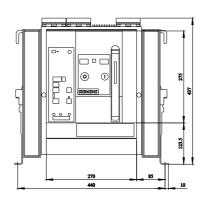
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2DG32-4GS2-Z C22+K07+S33+T40

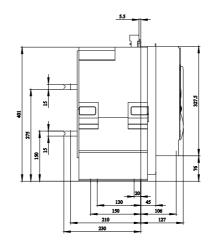
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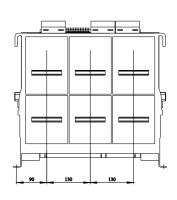
http://www.siemens.com/cax

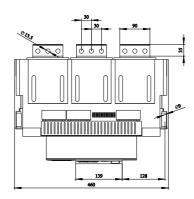
Tender specifications

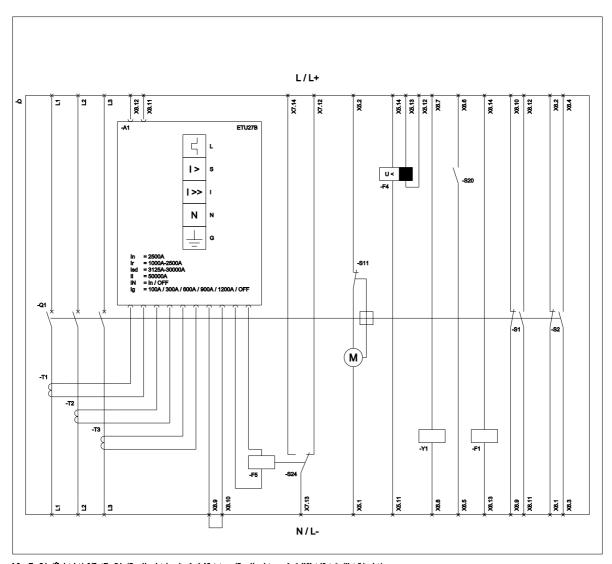
http://www.siemens.com/specifications











L(Long Time Delay / Uberhatechnich; S (Short Time Delay / Kuraschlamscunts, increativensignet; i (Instantaneous / Kuraschlamschnic, unverzögent; N (Neutral Protection / Neutralelenschnich;
G (Ground Feult Protection / Endechlamschnich; S11 (Instrand motor shundron nevitch, if aping is tensioned / Instrumer Motorobelluchalen; Profes gegnant); F1 (Instrumilizer relesse inne delayed / Untersparamageanskeer verzögerbet; F2 (Madjatch for trip unit / Auslösensagend; S1 - S6 (Auxiliary write); Hillischalter);
S20 (Enoly to done signalling write). Hinschaltereinschaftensiderschlamt; S24 (In trip signalling errite). Plantsch Ausgelöstenschlaschaler KD/ (Reset Position); Y1 (Closing coil / Hinschalteragend;

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