SIEMENS

Data sheet

3WL1208-4DG36-1AA2

Model product designation ACB product designation ACB IEC 60947-2 design of the product IEC 60947-2 design of the datuating element Pushbuton type of the driving mechanism Manual operating mechanism with mechanical closing type of the driving mechanism / motor drive No design of the overcurrent release ETU27B Canaral technical data		withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=800A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal
product designation ACB design of the product IEC 60947-2 design of the actualing element Pushbutton type of the driving mechanism motor drive No design of the exercurrent release ETU27B General technical data Inumber of poles size of the circult-breaker 2 utilization category B circult-breaker 2 utilization category B circult-breaker 1000 V insulation voltage (rated value 1000 V operating voltage 600 V Protection class P protection class IP / on the front IP20 protection dass IP / on the front IP20 protection function of the overcurrent release LSING Dissipation 800 A operating stete? per pole 800 A adjustable current / rated value / maximum 800 A continuous current / rated value / maximum 800 A adjustable current release short-circuit trip unit / full-scale 16 000 A of instantaneous short-circuit trip unit / full-scale 16 000	Model	
design of the actuating element IEC 60947-2 design of the actuating element Pushbutton Ype of the driving mechanism Manual operating mechanism with mechanical closing Ype of the driving mechanism / motor drive No design of the vorcurrent release ETU27B General technical data 2 number of poles 3 size of the circuib-breaker 2 utilization category B circuib-breaker / Design 3WL1 Vortage 1000 V operating voltage 1000 V operating voltage 1000 V operating voltage 660 V Protection class IP IP20 protection class IP / on the front IP20 operating state / pe pole 85 W • or rated value of the current / at AC / in hot operating state / pe pole 800 A • of instantaneous short-circuit trip unt / full-scale 800 A continuous current / rated value 800 A of instantaneous short-circuit trip unt / full-scale	product brand name	SENTRON
design of the actualing element Pushbutton type of the driving mechanism / motor drive No design of the overcurrent release ETU27B General technical data	product designation	ACB
type of the driving mechanism / motor drive Manual operating mechanism with mechanical closing type of the driving mechanism / motor drive No design of the vorcurrent release ETU27B General technical data 1 number of poles 3 size of the driving mechanism / motor drive 2 utilization category B circuit-breaker / Design 3WL1 Voltage 1000 V insulation voltage / rated value 1000 V operating voltage 400 V • at AC / at S006 Hz / rated value 600 V Protection class IP IP20 protection class IP / on the front IP20 protection class IP / on the fornt IP20 protection class IP / on the fornt IP20 protection class IP / on the fornt IP20 operating state / per pole 85 W Current 600 A continuous current / rated value of the current / at AC / in hot operating state / per pole 800 A ordinuous current / rated value of the current / at AC / in hot operating state / per pole 800 A orinuous current / rated value		IEC 60947-2
Type of the driving mechanism / motor drive No design of the overcurrent release ETU27B convert lectrical data ETU27B number of poles 3 size of the circuit-breaker 2 utilization category B circuit-breaker / Design 3WL1 Voltage 1000 V result-breaker / Design 3WL1 voltage 1000 V operating voltage 690 V Protection class IP IP20 protection class IP / on the front IP20 protection function of the ourrent / at AC / in hot operating state / per pole 800 A continuous current / rated value / maximum 800 A continuous so the current / at AC / in hot operating volue / maximum 800 A continuous current / rated value / maximum 800 A oof instantaneous short-circuit trip unit / full-scale value 800 A of in	design of the actuating element	Pushbutton
design of the overcurrent release ETU278 Ceneral technical data	type of the driving mechanism	Manual operating mechanism with mechanical closing
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number of poles 3 size of the circuit-breaker 2 utilization category B circuit-breaker / Design 3WL1 Voltage 3WL1 Rated insulation voltage Ui 1 000 V operating voltage 690 V • at AC / at 50/60 Hz / rated value 690 V Protection class IP IP20 protection class IP / on the front IP20 operating state / per pole 85 W • of instantaneous current / rated value / maximum 800 A continuous current / rated value / maximum 800 A of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 60 Hz • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 60 Hz • of instantaneous short-circuit trip unit / full-scale	design of the overcurrent release	ETU27B
size of the circuit-breaker 2 utilization category B circuit-breaker / Design 3WL1 Voltage 1000 V Rated insulation voltage Ui 1000 V insulation voltage / rated value 1000 V operating voltage eat AC / at 50/60 Hz / rated value e at AC / at 50/60 Hz / rated value 690 V Protection class protection class IP protection class IP / on the front IP20 protection function of the overcurrent release LSING Dissipation 000 A operating state / proje 85 W Current 800 A continuous current / rated value / maximum 800 A continuous current / rated value current 800 A e of instantaneous short-circuit trip unit / initial value 16 000 A e of instantaneous short-circuit trip unit / full-scale 800 A adjustable current 800 A e of instantaneous short-circuit trip unit / full-scale 800 A e of instantaneous short-circuit trip unit / full-scale 800 A e of instantaneous short-circuit trip unit / full-scale 800 A e of instantaneous short-circuit trip unit / full-scale 800 A e at 60 °C / rated value 60 Hz operating frequency 60 Hz <t< td=""><td>General technical data</td><td></td></t<>	General technical data	
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Voltage Reted insulation voltage Ui 1 000 V insulation voltage / rated value 1 000 V operating voltage 690 V • at AC / at 50/60 Hz / rated value 690 V Protection class IP IP20 protection class IP / on the front IP20 protection sos [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum 85 W Current 800 A continuous current / rated value / maximum 800 A adjustable current response value current 800 A - of instantaneous short-circuit trip unit / initial value 16 000 A • of instantaneous short-circuit trip unit / full-scale value 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • 1 / rated value 60 Hz operating frequency 60 Hz • 1 / rated value 60 Hz operating turent 800 A • at 50 °C / rated value 800 A • at 55 °C / rated value	circuit-breaker / Design	3WL1
Rated insulation voltage Ui 1 000 V insulation voltage 1 000 V operating voltage 1 000 V e at AC / at 50/60 Hz / rated value 690 V Protection class IP IP20 protection class IP / on the front IP20 protection class IP / on the overcurrent release LSING Dissipation 28.3 W operating state / per pole 85 W Current 600 A continuous current / rated value 800 A continuous current / rated value 800 A adjustable current response value current 800 A e of the current-dependent overload release / full-scale value 800 A e of instantaneous short-circuit trip unit / intila value 16 000 A e of instantaneous short-circuit trip unit / full-scale 16 000 A value 50 Hz e 2 / rated value 60 Hz operating frequency 1 / rated value e at 50 °C / rated value 800 A e at 50 °C / rated value 800 A e at 50 °C / rated value 800 A e at 50 °C / rated value 800 A e at 60 °C / rated value 800 A <td>-</td> <td></td>	-	
insulation voltage / rated value 1 000 V operating voltage 690 V e at AC / at 50/60 Hz / rated value 690 V Protection class IP IP20 protection class IP / on the front IP20 protection fulses IP / on the front IP20 power loss [W] Essipation power loss [W] 28.3 W 0 perating state / per pole maximum 85 W Continuous current / rated value / maximum 600 A continuous current / rated value current of the current-dependent overload release / full-scale value of instantaneous short-circuit trip unit / full-scale value fo finistantaneous short-circuit trip unit / full-scale value fo 000 A		1 000 V
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protection function of the overcurrent release LSING Dissipation	protection class IP / on the front	IP20
power loss [W] • for rated value of the current / at AC / in hot operating state / per pole 28.3 W • maximum 85 W Current continuous current / rated value / maximum 800 A adjustable current response value current 800 A • of the current-dependent overload release / full-scale value 800 A • of instantaneous short-circuit trip unit / initial value 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A value 00 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • of instantaneous short-circuit trip unit / full-scale 16 000 A • operating frequency • 1 / rated value 60 Hz • 2 / rated value 800 A 800 A • at 40 °C / rated value 800 A • at 50 °C / rated value 800 A • at 60 °C / rated value 800 A • at 65 °C / rated value 800 A • at 65 °C / rated value	· · · · · · · · · · · · · · · · · · ·	LSING
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 at 60 °C / rated value at 65 °C / rated value at 70 °C / rated value 800 A 800 A 	• at 50 °C / rated value	800 A
 at 65 °C / rated value at 70 °C / rated value 800 A 	• at 55 °C / rated value	800 A
• at 70 °C / rated value 800 A	• at 60 °C / rated value	800 A
	• at 65 °C / rated value	800 A
Auxiliary circuit	• at 70 °C / rated value	800 A
	Auxiliary circuit	

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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-	320 A
dependent overload release / initial value	
Product details	
product component	
trip indicator	Yes
 voltage trigger 	No
undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
 grounding protection 	Yes
 phase failure detection 	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
• at 690 V / rated value	85 kA
breaking capacity maximum short-circuit current (Icu)	
 at 415 V / rated value 	100 kA
 at 500 V / rated value 	100 kA
 at 690 V / rated value 	85 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	-20 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C
Certificates	
reference code	
• acc. to DIN EN 61346-2	Q
• acc. to IEC 81346-2	Q
Further information	
Industry Mall (Online ordering system)	
https://mall.industry.siemens.com/mall/en/en/Catalog/produc	
Service&Support (Manuals, Certificates, Characteristics https://support.industry.siemens.com/cs/ww/en/ps/3WL1208	
Image database (product images, 2D dimension drawing	
http://www.automation.siemens.com/bilddb/cax_en.aspx?m	
Tender specifications http://www.siemens.com/specifications	

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