## SIEMENS

## Data sheet

## 3WL1112-4DG36-1AA2

Model         product brand name         SENTRON           product designation         ACB           design of the product         IEC 60047-2.2           design of the driving mechanism         Pursubution           type of the driving mechanism / motor drive         No           design of the vercurrent release         ETU27B           central technical data         Immeter of poles           number of poles         3           size of the circuit breaker         1           utilization category         B           circuit-breaker         1           utilization category         B           circuit-breaker         1000 V           insulation voltage / rated value         1000 V           operating voltage         690 V           eta K 2 / a 15000 Hz / rated value         690 V           Protection class         P           protection dass IP / on the front         IP20           protection function of the current / at AC / in hot operating state / per pole         68.3 W           operating state / per pole         25 SW           Current         1250 A           continuous current / rated value / maximum         1 250 A           of instantaneous short-circuit frip unt / full-scale         25 SW		withdrawable circuit breaker with guide frame 3-pole, size I, IEC In=1250A to 690V, AC50/60Hz Icu=85kA 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         Manual operating mechanism with mechanical closing           bype of the driving mechanism / motor drive         No           design of the overcurrent release         ETU27B           Ceneral technical data         number of poles           number of poles         3           size of the circuit-breaker         1           utilization category         B           circuit-breaker/Deslign         3WL1           Voltage         1000 V           neated insulation voltage Ui         1000 V           insulation voltage / rated value         1000 V           protection class IP on the front         IP20           operating state / per pole         68.3 W           operating state / per pole         255 W           ortinuous current / rated value         1250 A	Model	
design of the product     IEC 60047/2       design of the actuating element     Pushbutton       Ype of the driving mechanism / motor drive     No       design of the overcurrent release     ETU278       General technical data     3       number of poles     3       size of the driving mechanism / motor drive     1       utilization category     B       citcuit breaker / Design     3WL1       Votage     1       Reted insulation voltage UI     1000 V       insulation voltage / rated value     690 V       Protection class IP     IP20       protection class IP / on the front     IP20       protection source IV / and Value     205 W       Current     205 W       continuous current / rated value / maximum     1 250 A       continuous current / rated value / maximum     25 000 A       of instantaneous short-circuit trip unit / full-scale     26 000 A       value     20 A       continuous current / rated value     60 Hz       operating frequency     1 / 250	product brand name	SENTRON
design of the product     IEC 60047/2       design of the actuating element     Pushbutton       Ype of the driving mechanism / motor drive     No       design of the overcurrent release     ETU278       General technical data     3       number of poles     3       size of the driving mechanism / motor drive     1       utilization category     B       citcuit breaker / Design     3WL1       Votage     1       Reted insulation voltage UI     1000 V       insulation voltage / rated value     690 V       Protection class IP     IP20       protection class IP / on the front     IP20       protection source IV / and Value     205 W       Current     205 W       continuous current / rated value / maximum     1 250 A       continuous current / rated value / maximum     25 000 A       of instantaneous short-circuit trip unit / full-scale     26 000 A       value     20 A       continuous current / rated value     60 Hz       operating frequency     1 / 250	product designation	ACB
design of the actuating element     Pushbutton       type of the driving mechanism / motor drive     No       design of the overcurrent release     ETU27B       General technical data     I       number of poles     3       size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Voltage     1000 V       insulation voltage Ui     1000 V       protection class IP     1920       protection class IP     IP20       protection class IP     IP20       protection class IP / on the front     IP20       protection class IP     68.3 W       • of n rated value of the current / at AC / in hot operating state / perile     68.3 W       • of instantaneous short-circuit trip unit / full-scale     25 000 A       adjustable current response value current     1 250 A       adjustable current response value current     25 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A <td< td=""><td></td><td>IEC 60947-2</td></td<>		IEC 60947-2
Type of the driving mechanism / motor drive         Manual operating mechanism with mechanical closing           Type of the driving mechanism / motor drive         No           design of the overcurrent release         ETU27B           Ceneral technical data         1           number of poles         3           size of the circuit-breaker         1           utilization category         B           circuit-breaker / Design         3WL1           Voltage         000 V           operating voltage / rated value         1000 V           operating voltage         000 V           • at AC / at 5000 Hz / rated value         1000 V           protection class IP         IP20           protection class IP / on the front         IP20           operating state / per pole         205 W           outrout of the current / at AC / in hot         68.3 W           operating state / per pole         205 W           outrout / rated value / maximum         1250 A           continuous current / rated value / maximum		Pushbutton
Image         No           design of the driving mechanism / motor drive         No           design of the overcurrent release         ETU27B           Conneral technical data         3           size of the circuit-breaker         1           uilization category         B           circuit-breaker / Design         3WL1           Voltage         Fated instaltion voltage / Irated value           operating voltage/         1000 V           insulation voltage / Irated value         680 V           operating voltage         680 V           Protection class IP / on the front         IP20           protection class IP         Image           e for rated value of the current / at AC / in hot operating voltage         68.3 W           operating value         0 the current / at AC / in hot operating voltage           e ontinuous current / rated value         1 250 A           continuous current / rated value         1 250 A           operating frequency eva		Manual operating mechanism with mechanical closing
design of the overcurrent release     ETU27B       General technical data     Inumber of poles     3       size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Voltage     Insulation voltage / rated value     1000 V       operating voltage     680 V       Protection class     IP20       operating voltage / rated value     68.3 W       operating state / per pole     68.3 W       operating state / per pole     205 W       Current     1250 A       continuous current / rated value / maximum     1250 A       continuous current / rated value / maximum     1250 A       ool in rated value of neoreneater / full-scale     26 000 A       value     60 Hz       ool incous subshort-circuit trip unit / full-scale     26 000 A       value     60 Hz       operating frequency     1       • 1 rated value     0 Hz       ool in stantaneous short-circuit trip unit / full-scale     26 000 A       value     60 Hz       operating frequency     1       • 1 rated value     0 Hz <td></td> <td></td>		
number of poles     3       size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Voltage     8       Rated insulation voltage Ui     1 000 V       insulation voltage / rated value     1 000 V       operating voltage     600 V       Protection class IP     IP20       protection class IP / on the front     IP20       continuous current / rated value of the current / at AC / in hot     68.3 W       operating state / per pole     1 250 A       adjustable current / rated value and unrent     1 250 A       adjustable current / rated value and unrent     1 250 A       adjustable current / rated value and unrent     25 000 A       value     • in stantaneous short-circuit trip unit / full-scale       value     50 Hz       • 1 / rated value     50 Hz       • 1 / rated value     60 Hz       • 1 / rated value     1 250 A       • 1 / rated value     50 Hz       • 1 / rated value     50 Hz		ETU27B
size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Voltage     1000 V       Insulation voltage U     1000 V       insulation voltage / rated value     000 V       operating voltage     680 V       Protection class     protection class       protection class IP     IP20       protection class IP/     IP20       protection class IP     IP20       continuous current / rated value of the current / at AC / in hot operating state / per pole     68.3 W       • of rated value of the current / at AC / in hot operating state / per pole     1250 A       adjustable current response value current     1250 A       adjustable current / rated value / maximum     1250 A       ootlinuous current / rated value current     1250 A       adjustable current response value current     25 000 A       e of instantaneous short-circuit trip unit / full-scale     26 000 A       operating frequency     60 Hz       e 1/ rated value     60 Hz       operating frequency     60 Hz       e 1/ rated value     1250 A       e at 50 °C / rated v	General technical data	
size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Voltage     1000 V       Insulation voltage U     1000 V       insulation voltage / rated value     000 V       operating voltage     600 V       Protection class     protocon class       protection class IP     IP20       protection class IP / on the front     IP20       protection state / per pole     68.3 W       • for rated value of the current / at AC / in hot operating state / per pole     68.3 W       • of instantaneous current / rated value / maximum     1 250 A       continuous current / rated value / maximum     1 250 A       adjustable current response value current     1 250 A       adjustable current response value current     1 250 A       • of instantaneous short-circuit trip unit / full-scale     25 000 A       • of instantaneous short-circuit trip unit / full-scale     25 000 A       • of instantaneous short-circuit trip unit / full-scale     60 Hz       operating frequency     60 Hz       • 1 / rated value     1 250 A	number of poles	3
dilization category     B       circuit-breaker / Design     3WL1       Voltage     Rated insulation voltage Ui     1 000 V       insulation voltage / rated value     1 000 V       operating voltage     680 V       • et AC / at 50%0 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     0 or rated value of the current / at AC / in hot       operating state / per pole     683.3W       operating state / per pole     685.3W       offinuous current / rated value / maximum     1 250 A       continuous current / rated value / maximum     1 250 A       e of instantaneous short-circuit trip unit / initial value     25 000 A       e of instantaneous short-circuit trip unit / initial value     25 000 A       e / rated value     50 Hz       e / rated value     60 Hz       operating frequency     60 Hz       e / rated value     1 250 A       e / rated value     1 250 A       operating frequency     60 Hz       e / rated value     1 250 A       e / at a 0* C' rated value     1 250 A       e / at a 0* C' rated value     1 250 A       e / at a 0* C' rated value     1 250 A <t< td=""><td></td><td></td></t<>		
circuit-breaker / Design       3WL1         Voltage       1000 V         Rated insulation voltage / rated value       1000 V         operating voltage       680 V         e at AC / at 50/60 Hz / rated value       690 V         Protection class       IP20         protection class IP       IP20         protection class IP / on the front       IP20         protection function of the overcurrent release       LSING         Dissipation       0         over loss [W]       68.3 W         operating state / per pole       025 W         Current       1250 A         continuous current / rated value / maximum       1250 A         adjustable current response value current       1250 A         of instantaneous short-circuit trip unit / initial value       25 000 A         of instantaneous short-circuit trip unit / initial value       25 000 A         operating frequency       0 Hz         operating frequency       00 Hz         operating frequency       1250 A         operating frequency       00 Hz         operating frequency       00 Hz         operating frequency       1250 A         operating frequency       00 Hz         0 / C / rated value       1250 A <td></td> <td></td>		
Voltage           Rated insulation voltage Vi         1 000 V           Insulation voltage / rated value         1 000 V           operating voltage         1 000 V           • at AC / at 50/60 Hz / rated value         690 V           Protection class IP         IP20           protection class IP / on the front         IP20           protection function of the overcurrent release         LSING           Observalue         Observalue           • for rated value of the current / at AC / in hot operating stale / per pole         68.3 W           continuous current / rated value         1 250 A           adjustable current response value current         1 250 A           • of instantaneous short-circuit trip unit / initial value         25 000 A           value         of instantaneous short-circuit trip unit / full-		3WL1
Rated insulation voltage Ui       1 000 V         insulation voltage / rated value       1 000 V         operating voltage       690 V         Protection class       Protection class IP         protection function of the overcurrent release       LSING         Dissipation       IP20         protection function of the overcurrent release       LSING         Dissipation       005 W         continuous current / rated value       68.3 W         operating state / per pole       68.3 W         operating state / per pole       205 W         Current       1 250 A         continuous current / rated value       1 250 A         adjustable current response value current       1 250 A         of instantaneous short-circuit trip unit / initial value       25 000 A         of instantaneous short-circuit trip unit / full-scale       25 000 A         value       60 Hz         operating requency       1 / rated value         • of instantaneous short-circuit trip unit / full-scale       26 000 A         value       60 Hz         operating frequency       1 / rated value         • 1 / rated value       50 Hz         • 2 / rated value       1 250 A         • at 50 °C / rated value       1 250 A	č	
insulation voltage / rated value       1 000 V         operating voltage       690 V         Protection class IP       IP20         protection class IP / on the front       IP20         protection function of the overcurrent release       LSING         Dissipation       68.3 W         operating state / per pole       68.3 W         • maximum       205 W         Current       continuous current / rated value / maximum         continuous current / rated value / maximum       1 250 A         adjustable current response value current       1 250 A         oof instantaneous short-circuit trip unit / initial value       25 000 A         value       25 000 A         value       50 Hz         • of instantaneous short-circuit trip unit / full-scale       25 000 A         value       50 Hz         • of / rated value       50 Hz         • of instantaneous short-circuit trip unit / full-scale       25 000 A         value       50 Hz         • of / rated value       50 Hz         • of / rated value       1 250 A		1 000 V
operating voltage       e at AC / at 50/60 Hz / rated value       690 V         Protection class IP       IP20         protection class IP on the front       IP20         protection function of the overcurrent release       LSING         Dissipation       0 for rated value of the current / at AC / in hot operating state / per pole         • maximum       205 W         Current       1 250 A         adjustable current / rated value / maximum       1 250 A         optication scurrent / rated value / maximum       1 250 A         of the current-dependent overload release / full-scale value       1 250 A         of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale       26 000 A         value       50 Hz         • of of crurent       60 Hz         operating frequency       1 / rated value         • 1 / rated value       50 Hz         • 2 / rated value       60 Hz         operational current       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 60 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 65 °C / rated value       1 25		
• at AC / at 50/60 Hz / rated value     690 V       Protection class     Protection class IP     IP20       protection function of the overcurrent release     LSING       Dissipation     Exercise       power loss [W]     • for rated value of the current / at AC / in hot operating state / per pole       • maximum     205 W       Current     1 250 A       continuous current / rated value / maximum     1 250 A       adjustable current rated value current     1 250 A       of instantaneous short-circuit trip unit / initial value     25 000 A       • of instantaneous short-circuit trip unit / full-scale value     25 000 A       • of instantaneous short-circuit trip unit / full-scale value     25 000 A       • of instantaneous short-circuit trip unit / full-scale     25 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A       • of instantaneous short-circuit trip unit / full-scale     25 000 A       • of instantaneous short-circuit trip unit / full-scale     25 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A       • of instantaneous short-circuit trip unit / full-scale     26 000 A <td></td> <td></td>		
Protection class       IP20         protection class IP / on the front       IP20         protection function of the overcurrent release       LSING         Dissipation       68.3 W         operating state / per pole       68.3 W         • for rated value of the current / at AC / in hot operating state / per pole       68.3 W         • maximum       205 W         Current       1 250 A         continuous current / rated value / maximum       1 250 A         adjustable current response value current       1 250 A         • of the current-dependent overload release / full-scale value       1 250 A         • of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       26 0Hz         • 1 / rated value       50 Hz         • 2 / rated value       60 Hz         • 2 / rated value       1 250 A         • at 40 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value		690 V
protection class IP         IP20           protection class IP / on the front         IP20           protection function of the overcurrent release         LSING           Dissipation         Example           power loss [W]         • for rated value of the current / at AC / in hot operating state / per pole         68.3 W           • maximum         205 W           Current         continuous current / rated value / maximum         1 250 A           continuous current / rated value / maximum         1 250 A           adjustable current response value current         • of the current-dependent overload release / full-scale value           • of instantaneous short-circuit trip unit / initial value         25 000 A           • of instantaneous short-circuit trip unit / full-scale value         20 Hz           • of instantaneous short-circuit trip unit / full-scale value         60 Hz           operating frequency         • 1 / rated value           • 1 / rated value         60 Hz           operational current         • at 40 °C / rated value           • at 40 °C / rated value         1 250 A           • at 65 °C / rated value         1 250 A           • at 65 °C / rated value         1 250 A           • at 65 °C / rated value         1 250 A           • at 65 °C / rated value         1 250 A <t< td=""><td>Protection class</td><td></td></t<>	Protection class	
protection class IP / on the front       IP20         protection function of the overcurrent release       LSING         Dissipation		IP20
Dissipation         power loss [W]         • for rated value of the current / at AC / in hot operating state / per pole         • maximum       205 W         Current       205 W         continuous current / rated value / maximum       1 250 A         continuous current / rated value       1 250 A         adjustable current response value current       1 250 A         of the current-dependent overload release / full-scale value       2 5000 A         • of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • operating frequency       60 Hz         • operating frequency       60 Hz         • operational current       60 Hz         • at 40 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 65 °C / rated value		
Dissipation         power loss [W]         • for rated value of the current / at AC / in hot operating state / per pole         • maximum       205 W         Current       205 W         continuous current / rated value / maximum       1 250 A         continuous current / rated value       1 250 A         adjustable current response value current       1 250 A         of the current-dependent overload release / full-scale value       2 5000 A         • of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • operating frequency       60 Hz         • operating frequency       60 Hz         • operational current       60 Hz         • at 40 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 65 °C / rated value	protection function of the overcurrent release	LSING
power loss [W]       • for rated value of the current / at AC / in hot operating state / per pole       68.3 W         • maximum       205 W         Current       205 W         continuous current / rated value / maximum       1 250 A         adjustable current response value current       1 250 A         • of the current-dependent overload release / full-scale value       1 250 A         • of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale       25 000 A         value       0 perating frequency         • 1 / rated value       50 Hz         • 2 / rated value       60 Hz         operational current       1 250 A         • at 40 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 50 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rate		
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> <li>maximum</li> <li>205 W</li> <li>Current</li> <li>continuous current / rated value / maximum</li> <li>1 250 A</li> <li>adjustable current response value current</li> <li>of the current-dependent overload release / full-scale value</li> <li>of instantaneous short-circuit trip unit / initial value</li> <li>of instantaneous short-circuit trip unit / full-scale</li> <li>value</li> <li>Main circuit</li> <li>operating frequency</li> <li>1 / rated value</li> <li>50 Hz</li> <li>2 / rated value</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>1 250 A</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>21 250 A</li> </ul>		
• maximum       205 W         Current       1 250 A         continuous current / rated value       1 250 A         adjustable current response value current       1 250 A         • of the current-dependent overload release / full-scale value       1 250 A         • of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • operating frequency       00 A         • 1 / rated value       50 Hz         • 2 / rated value       60 Hz         • 0 °C / rated value       1 250 A         • at 60 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rate	<ul> <li>for rated value of the current / at AC / in hot</li> </ul>	68.3 W
continuous current / rated value / maximum       1 250 A         continuous current / rated value       1 250 A         adjustable current response value current       1 250 A         • of the current-dependent overload release / full-scale value       1 250 A         • of instantaneous short-circuit trip unit / initial value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         • of instantaneous short-circuit trip unit / full-scale value       25 000 A         value       25 000 A         Øperating frequency       25 000 A         • 1 / rated value       60 Hz         operational current       1 250 A         • at 40 °C / rated value       1 250 A         • at 55 °C / rated value       1 250 A         • at 60 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 65 °C / rated value       1 250 A         • at 70 °C / rated value       1 210 A		205 W
continuous current / rated value / maximum1 250 Acontinuous current / rated value1 250 Aadjustable current response value current1 250 A• of the current-dependent overload release / full- scale value1 250 A• of instantaneous short-circuit trip unit / initial value25 000 A• of instantaneous short-circuit trip unit / full-scale value25 000 AMain circuit25 000 Aoperating frequency • 1 / rated value50 Hz• 2 / rated value60 Hzoperational current • at 40 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 70 °C / rated value1 250 A• at 70 °C / rated value1 250 A	Current	
continuous current / rated value1 250 Aadjustable current response value current1 250 A• of the current-dependent overload release / full- scale value1 250 A• of instantaneous short-circuit trip unit / initial value25 000 A• of instantaneous short-circuit trip unit / full-scale value25 000 A• of instantaneous short-circuit trip unit / full-scale value25 000 A• of instantaneous short-circuit trip unit / full-scale value25 000 A• of restantaneous short-circuit trip unit / full-scale value25 000 A• of restantaneous short-circuit trip unit / full-scale value25 000 A• of restantaneous short-circuit trip unit / full-scale value25 000 A• of restantaneous short-circuit trip unit / full-scale value25 000 A• operating frequency • 1 / rated value50 Hz• 2 / rated value60 Hz• at 40 °C / rated value1 250 A• at 50 °C / rated value1 250 A• at 50 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 70 °C / rated value1 250 A• at 70 °C / rated value1 250 A		1 250 A
adjustable current response value current       1 250 A         of the current-dependent overload release / full-scale value       1 250 A         of instantaneous short-circuit trip unit / initial value       25 000 A         of instantaneous short-circuit trip unit / full-scale value       25 000 A         Main circuit       25 000 A         operating frequency       1 / rated value         operational current       60 Hz         operational current       1 250 A         e at 40 °C / rated value       1 250 A         e at 50 °C / rated value       1 250 A         e at 60 °C / rated value       1 250 A         e at 60 °C / rated value       1 250 A         e at 60 °C / rated value       1 250 A         e at 60 °C / rated value       1 250 A         e at 60 °C / rated value       1 250 A         e at 60 °C / rated value       1 250 A         e at 65 °C / rated value       1 250 A         e at 65 °C / rated value       1 250 A         e at 70 °C / rated value       1 250 A         e at 70 °C / rated value       1 250 A		
<ul> <li>of the current-dependent overload release / full-scale value</li> <li>of instantaneous short-circuit trip unit / initial value</li> <li>of instantaneous short-circuit trip unit / full-scale value</li> <li>25 000 A</li> <li>operating frequency</li> <li>1 / rated value</li> <li>2 / rated value</li> <li>60 Hz</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>1 250 A</li> <li>at 50 °C / rated value</li> <li>250 Hz</li> <li>250 Hz</li> <li>20 Hz</li> <li>20 Hz</li> <li>21 / 250 A</li> <li>22 / rated value</li> <li>30 Hz</li> <li>3</li></ul>		
• of instantaneous short-circuit trip unit / full-scale value25 000 AMain circuitoperating frequency • 1 / rated value50 Hz• 2 / rated value60 Hzoperational current60 Hz• at 40 °C / rated value1 250 A• at 50 °C / rated value1 250 A• at 55 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 70 °C / rated value1 250 A	of the current-dependent overload release / full-	1 250 A
valueMain circuitoperating frequency• 1 / rated value50 Hz• 2 / rated value60 Hzoperational current• at 40 °C / rated value1 250 A• at 55 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 70 °C / rated value1 210 A	<ul> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>	25 000 A
operating frequency50 Hz• 1 / rated value60 Hz• 2 / rated value60 Hzoperational current1 250 A• at 40 °C / rated value1 250 A• at 50 °C / rated value1 250 A• at 55 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 70 °C / rated value1 250 A	•	25 000 A
<ul> <li>1 / rated value</li> <li>2 / rated value</li> <li>60 Hz</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>1 250 A</li> <li>at 50 °C / rated value</li> <li>1 250 A</li> <li>at 55 °C / rated value</li> <li>1 250 A</li> <li>at 60 °C / rated value</li> <li>1 250 A</li> <li>at 60 °C / rated value</li> <li>1 250 A</li> <li>at 65 °C / rated value</li> <li>1 250 A</li> <li>at 65 °C / rated value</li> <li>1 250 A</li> <li>1</li></ul>	Main circuit	
<ul> <li>1 / rated value</li> <li>2 / rated value</li> <li>60 Hz</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>1 250 A</li> <li>at 50 °C / rated value</li> <li>1 250 A</li> <li>at 55 °C / rated value</li> <li>1 250 A</li> <li>at 60 °C / rated value</li> <li>1 250 A</li> <li>at 60 °C / rated value</li> <li>1 250 A</li> <li>at 65 °C / rated value</li> <li>1 250 A</li> <li>at 65 °C / rated value</li> <li>1 250 A</li> <li>1</li></ul>	operating frequency	
operational current1 250 A• at 40 °C / rated value1 250 A• at 50 °C / rated value1 250 A• at 55 °C / rated value1 250 A• at 60 °C / rated value1 250 A• at 65 °C / rated value1 250 A• at 70 °C / rated value1 210 A	• 1 / rated value	50 Hz
<ul> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 250 A</li> </ul>	• 2 / rated value	60 Hz
<ul> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 250 A</li> </ul>	operational current	
<ul> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 250 A</li> <li>1 250 A</li> <li>1 250 A</li> <li>1 250 A</li> </ul>		1 250 A
<ul> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 250 A</li> <li>1 210 A</li> </ul>	• at 50 °C / rated value	1 250 A
<ul> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 250 A</li> <li>1 210 A</li> </ul>	● at 55 °C / rated value	1 250 A
• at 70 °C / rated value 1 210 A	• at 60 °C / rated value	1 250 A
	• at 65 °C / rated value	1 250 A
Auxiliary circuit	• at 70 °C / rated value	1 210 A
	Auxiliary circuit	

<sup>1.31.2021</sup> 🔅 PNAP

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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- dependent overload release / initial value	500 A
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	malour diopidy
breaking capacity operating short-circuit current (Ics)	85 kA
<ul> <li>at 415 V / rated value</li> <li>at 500 V / rated value</li> </ul>	65 kA
at 500 V / rated value	66 kA
breaking capacity maximum short-circuit current (Icu)	00 MA
at 415 V / rated value	85 kA
at 500 V / rated value	85 kA
at 690 V / rated value	66 kA
Connections	
arrangement of electrical connectors / for main current	Main connection rear side horizontal
circuit	
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	460 mm
width	320 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature / during storage	10.10
• 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	nt2mlfb=3\\// 1112 4DC36 1442
Service&Support (Manuals, Certificates, Characteristics https://support.industry.siemens.com/cs/ww/en/ps/3WL1112	
Image database (product images, 2D dimension drawing http://www.automation.siemens.com/bilddb/cax_en.aspx?m	2 <mark>-4DG36-1AA2</mark> gs, 3D models, device circuit diagrams,)
	2 <mark>-4DG36-1AA2</mark> gs, 3D models, device circuit diagrams,)

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