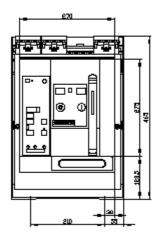
## SIEMENS

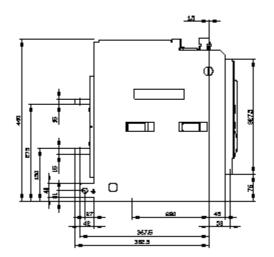
## Data sheet

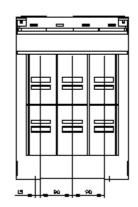
## 3WL1112-2DG36-1AA2

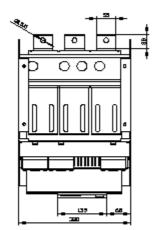
| Model         product brand name         SENTRON           product designation         ACB           design of the product         IEC 60047-2.2           design of the driving mechanism         Pursubution           type of the driving mechanism / motor drive         No           design of the vercurrent 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=55kA 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         1 000 V           insulation voltage (rated value         1 000 V           oreal-tack-fill         1 000 V           insulation voltage (rated value         1 000 V           operating voltage         680 V           e at AC / at 5060 Hz / rated value         680 V           Protection class IP / on the front         IP20           protection function of the overcurrent release         LSING           Dissipation         205 W           overently value of the current / at AC / in hot operating state / per pole         1 250 A           oontinuous current / rated value         1 250 A           continuous current / rated value         1 250 A           oontinuo   | 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 / 1 / fated value     26 000 A       ord instantaneous short-circuit trip unit / full-scale     26 000 A  | 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 / 1 / fated value     26 000 A       ord instantaneous short-circuit trip unit / full-scale     26 000 A  | 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 represervalue current     1 250 A       adjustable current represervalue current     1 250 A       oottinuous current / rated value     25 000 A       • of instantaneous short-   |  | 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     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   |  | 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         • 1 / rated value       50 Hz         • 2 / rated 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         • at 50 °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 25   |  |   |
| • 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       LSING         Dissipation       ESING         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 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 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       60 Hz         • of operating frequency       • 1 / rated value         • 1 / rated value       50 Hz         • 21 / rated value       60 Hz         • 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 <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         • of instantaneous short-circuit trip unit / full-scale value       60 Hz         operating frequency       1 / rated value       60 Hz         • 1 / rated value       50 Hz         • 2 / rated value       1 250 A         • at 40 °C / 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<  |  | 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-<br>scale value1 250 A• of instantaneous short-circuit trip unit / initial value25 000 A• of instantaneous short-circuit trip unit / full-scale<br>value25 000 AMain circuit25 000 Aoperating frequency<br>• 1 / rated value50 Hz• 2 / rated value60 Hzoperational current<br>• 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-<br>scale value1 250 A• of instantaneous short-circuit trip unit / initial value25 000 A• of instantaneous short-circuit trip unit / full-scale<br>value25 000 A• of instantaneous short-circuit trip unit / full-scale<br>value25 000 A• of instantaneous short-circuit trip unit / full-scale<br>value25 000 A• of restantaneous short-circuit trip unit / full-scale<br>value25 000 A• of restantaneous short-circuit trip unit / full-scale<br>value25 000 A• of restantaneous short-circuit trip unit / full-scale<br>value25 000 A• of restantaneous short-circuit trip unit / full-scale<br>value25 000 A• operating frequency<br>• 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<br>value25 000 AMain circuitoperating frequency<br>• 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   |   |
| • 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 210 A   | 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 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>  | 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  |   |

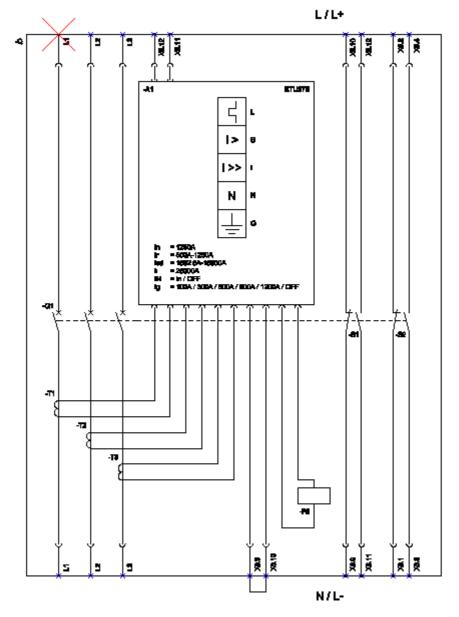
| number of NC contacts / for auxiliary contacts   | 2                                    |  |
|--|--------------------------------------|--|
| number of NO contacts / for auxiliary contacts   | 2                                    |  |
| Suitability  |                                      |  |
| suitability for use  | Plant / motor protection             |  |
| Adjustable parameters  |                                      |  |
| adjustable current response value current / of the current-<br>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                      |  |
|  | without display                      |  |
| Short circuit  |                                      |  |
| breaking capacity operating short-circuit current (lcs)  |                                      |  |
| • at 415 V / rated value   | 55 kA                                |  |
| • at 500 V / rated value   | 55 kA                                |  |
| at 690 V / rated value   | 42 kA                                |  |
| <ul> <li>breaking capacity maximum short-circuit current<br/>(Icu) / at 415 V / rated value</li> </ul>   | 55 kA                                |  |
| <ul> <li>breaking capacity maximum short-circuit current<br/>(Icu) / at 500 V / rated value</li> </ul>   | 55 kA                                |  |
| <ul> <li>breaking capacity maximum short-circuit current<br/>(Icu) / at 690 V / rated value</li> </ul>   | 42 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   | 460 mm                               |  |
| width  |                                      |  |
| depth  | 456 mm                               |  |
| fastening method   | -<br>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                                    |  |
| <ul> <li>acc. to EC 81346-2</li> <li>acc. to EC 81346-2</li> </ul>   | Q                                    |  |
|  | ×                                    |  |
| Further information Industry Mall (Online ordering system)   |                                      |  |
| https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2DG36-1AA2<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2DG36-1AA2 |                                      |  |
| Image database (product images, 2D dimension drawing   |                                      |  |
| http://www.automation.siemens.com/bilddb/cax_en.aspx?ml  |                                      |  |
| Tender specifications  |                                      |  |
|  |                                      |  |











L (Long Fine Delay / Obwinstechnix), S (Short Time Delay / Enreschlussechnix, incrediversigeri); I (Instantanesse / Karsachlumanchnix, unversigeri), T (Sentral Protochico / Venkrelleiterschnix); E (Greund Fault Protection / Endechlussechnix); F5 (Maglatch for trip unit / AuslBaumgust); EL - 54 (Beriliary switch / Elifaschalter);

last modified:

3/9/2020 🖸