## SIEMENS

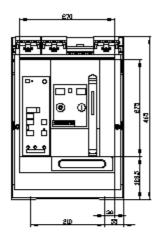
## Data sheet

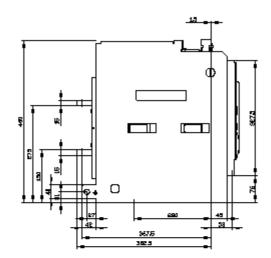
## 3WL1116-2DG36-1AA2

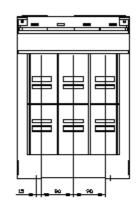
Model         product brand name         SENTRON           product designation         ACB           design of the product         IEC 60947-2           design of the datulant gelement         Pueblution           type of the driving mechanism / motor drive         No           design of the actualing dement         Pueblution           type of the driving mechanism / motor drive         No           design of the overcurrent release         ETU278           Cancert tochnical data         number of poles           size of the circuit-breaker         1           utilization category         B           diraut-breaker / Design         3/UL1           Voltage         1000 V           insulation voltage // rated value         1000 V           operating voltage         1000 V           insulation voltage // rated value         660 V           Protection class         IP20           protection function of the overcurrent release         LSING           Designation         1600 A           operating state / per pole         1600 A           operating state / per pole         1600 A           operating state / per pole         22 000 A           of in stantaneous short-circuit trip unit / initial value         20 000 A		withdrawable circuit breaker with guide frame 3-pole, size I, IEC In=1600A to 690V, AC50/60Hz Icu=55kA at 500V rear connection horizontal
product designation         ACB           design of the product         IEC 60047-2           design of the actuating element         Pushbutton           the driving mechanism molor drive         No           design of the overcurrent release         ETU27B           Cancar I technical data	Model	
design of the product         IEC 60647-2           design of the actualing element         Pushbution           Wpe of the driving mechanism         Manual operating mechanism with mechanical closing           Wye of the driving mechanism / motor drive         No           design of the vercurrent release         ETU27B           Central technical data         I           number of poles         3           size of the circuit-breaker         1           utilization category         B           circuit-breaker / Design         3WL1           Voltage         1000 V           operating voltage         1000 V           operating voltage         680 V           et at AC / at 50/06 14z / rated value         680 V           protection class IP / on the front         IP20           operating state / per pole         1600 A           ontinuous current / rated value or maximum         1600 A           continuous current / rated value / maximum         1600 A           of instantaneous short-circuit trip unit / ini	product brand name	SENTRON
design of the product     IEC 60847-2       design of the advalang element     Pushbutton       Vye of the driving mechanism / motor drive     No       design of the vercurrent release     ETU27B       Central technical data     1       number of poles     3       Size of the circuit-breaker     1       utilization category     B       oricuit-breaker / Design     3WL1       Votage     1000 V       Protection class IP     1000 V       operating voltage / rated value     680 V       operating voltage     1000 V       operating voltage / rated value     1000 V       protection class IP     IP20       protection class IP / on the front     IP20       protection class IP     116.7 W       operating voltage / rated value     1600 A       ot		ACB
design of the actualing element         Pushbuton           type of the driving mechanism / motor drive         No           design of the overcurrent release         ETU27B           Ceneral technical data		IEC 60947-2
Type of the driving mechanism / motor drive         Manual operating mechanism with mechanical closing           type of the driving mechanism / motor drive         No           General technical data         ETU27B           number of poles         3           size of the circuit-breaker         1           utilization category         B           circuit-breaker / Design         3WL1           Votage         1000 V           insulation voltage / rated value         000 V           operating voltage         1000 V           • at AC / at S0/60 Hz / rated value         690 V           Protection class IP         IP20           protection class IP / on the front         IP20           operating state / per pole         350 W           • for rated value of the current / at AC / in hot operating state / per pole         350 W           • ori instantaneous short-circuit trip unit / initial value         32 000 A           • of instantaneous short-circuit trip unit / initial value         32 000 A           • of instantaneous short-circuit trip unit / initial value         32 000 A           • of instan		Pushbutton
Type of the driving mechanism / motor drive         No           design of the overcurrent release         ETU27B           Central technical data         I           number of poles         3           size of the circuit-breaker         1           utilization category         B           circuit-breaker / Design         3WL1           Votage         Rated insulation votage / rated value           operating votage         1000 V           insulation votage / rated value         690 V           operating votage         690 V           Protection class IP         IP20           protection class IP / on the front         IP20           protection diss IP / on the front         IP20           protection fuctors of the overcurrent release         LSING           Dissipation         360 W           continuous current / rated value of the current / at AC / in hot operating state / per pole         1600 A           ordinuous current / rated value         1600 A           adjustable current datagendent overload release / full- scale value         22 000 A           of instantaneous short-circuit thip unit / full-scale         32 000 A           of instantaneous short-circuit thip unit / full-scale         22 000 A           of instantaneous short-circuit thip unit / full-sca		Manual operating mechanism with mechanical closing
General technical data       3         number of poles       3         size of the circul-breaker       1         utilization category       B         circul-breaker / Design       3WL1         Voltage       1000 V         number of poles       1000 V         Insulation voltage / rated value       1000 V         operating voltage       690 V         et at AC / at 5060 Hz / rated value       690 V         Protection class IP       IP20         protection class IP / on the front       IP20         operating value of the current / at AC / in hot operating value of the current / at AC / in hot operating value of the current / at AC / in hot operating value current / rated value       1600 A         e ontinuous current / rated value       1 800 A       2000 A         adjustable current regenese value current       1 800 A       2000 A         e of instantaneous short-circuit trip unit / full-scale value       32 000 A       32 000 A         value       60 Hz       50 Hz       60 Hz         operating frequency       1 / rated value       60 Hz       60 Hz		
number of poles         3           size of the circuit-breaker         1           utilization categopy         B           circuit-breaker / Design         3WL1           Voltago         3WL1           Rated insulation voltage / rated value         1000 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           portection class IP / on the front         IP20           protection function of the current / at AC / in hot         160.7           operating state / per pole         350 W           Current         continuous current / rated value         1600 A           continuous current / rated value current         1600 A         32 2000 A           of instantaneous short-circuit trip unit / full-scale         32 000 A         32 000 A <td>design of the overcurrent release</td> <td>ETU27B</td>	design of the overcurrent release	ETU27B
size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Votage     1000 V       Rated insulation votage / rated value     1000 V       operating votage     880 V       • at AC / at S060 Hz / rated value     680 V       Protection class IP     IP20       protection class IP / on the front     IP20       protection class IP / on the front     IP20       protection class IP / on the front     IP20       protection function of the overcurrent release     LSING       Dissipation     000 A       • of rated value of the current / at AC / in hot operating value     1600 A       continuous current / rated value / maximum     1 600 A       continuous current / rated value current     1 600 A       adjustable current dependent overload release / full-scale value     2 2000 A       • of instantaneous short-circuit trip unit / full-scale value     32 000 A       • of instantaneous short-circuit trip unit / full-scale value     30 Hz       • 2 / rated value     50 Hz       • 2 / rated value     50 Hz       • 2 / rated value     1 600 A       • of instantaneous short-circuit trip unit / full-scale value     32 000 A       • of instantaneous short-circuit trip unit / full-scale value     50 Hz       • 2 / rated value	General technical data	
size of the circuit-breaker     1       utilization category     B       circuit-breaker / Design     3WL1       Voltage     1000 V       Rated insulation voltage Ui     1000 V       insulation voltage / rated value     690 V       Protection class IP     Protection class IP       protection class IP / on the front     IP20       protection class IP / on the front     IP20       protection class IP     SING       Dissipation     Operating voltage       • of rated value of the current / at AC / in hot operating voltage     1600 A       continuous current / rated value     1600 A       continuous current / rated value / maximum     1600 A       continuous current / rated value / maximum     1600 A       adjustable current esponse value current     32 000 A       • of instantaneous short-circuit trip unit / initial value     32 000 A       • of instantaneous short-circuit trip unit / full-scale value     32 000 A       • of instantaneous short-circuit trip unit / full-scale value     50 Hz       • 2 / rated value     50 Hz       • 2 / rated value     50 Hz       • 2 / rated value     1600 A       • at 50 °C / rated value     1600 A       • at 50 °C / rated value     1600 A       • of instantaneous short-circuit trip unit / full-scale value     50 Hz </td <td>number of poles</td> <td>3</td>	number of poles	3
utilization category       B         circuit-breaker / Design       3WL1         Voltage       Insulation voltage / Iated value       1000 V         insulation voltage / rated value       1000 V         operating voltage       680 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       Institution voltage / per pole         • for rated value of the current / at AC / in hot operating state / per pole       116.7 W         • maximum       350 W         Current       Insolate // per pole         • at AC / per pole       1600 A         • of instantaneous short-circuit trip unit / initial value       1600 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A		1
Voltage       I 000 V         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 studies / per pole       SING         • of rated value of the current / at AC / in hot operating state / per pole       1600 A         • maximum       350 W         Current       1 600 A         continuous current / rated value / maximum       1 600 A         odijustable current response value current       1 600 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       60 Hz         operating frequency       1 / rated value       60 Hz         ope		В
Rated insulation voltage U       1 000 V         Insulation voltage / rated value       1000 V         operating voltage       1000 V         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         power loss [W]       • for rated value of the current / at AC / in hot operating state / per pole         • maximum       350 W         Current       1600 A         continuous current / rated value       1 600 A         adjustable current regonse value current       1 600 A         • of the current-dependent overload release / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         value       60 Hz         operating frequency       1 / rated value         • 1 / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A	circuit-breaker / Design	3WL1
Rated insulation voltage U       1 000 V         Insulation voltage / rated value       1000 V         operating voltage       1000 V         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         power loss [W]       • for rated value of the current / at AC / in hot operating state / per pole         • maximum       350 W         Current       1600 A         continuous current / rated value       1 600 A         adjustable current regonse value current       1 600 A         • of the current-dependent overload release / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         value       60 Hz         operating frequency       1 / rated value         • 1 / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A	Voltage	
insulation voltage / rated value       1 000 V         operating voltage       -         • at AC / at 50/60 Hz / rated value       690 V         Protection class       IP         protection class IP       IP20         protection function of the overcurrent release       LSING         Dissipation       -         power loss [W]       •         • for rated value of the current / at AC / in hot operating state / per pole       116.7 W         • maximum       350 W         Current       -         continuous current / rated value / maximum       1 600 A         continuous current / rated value / maximum       1 600 A         continuous current / rated value current       1 600 A         • of the current-dependent overload release / full-scale value       1 600 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       60 Hz         operating frequency       • / rated value       50 Hz         • 1 / rated value       50 Hz       60 Hz         operating frequency       1 600 A       -         • 1 / rated value       1 600 A       -		1 000 V
operating voltage       690 V         e at AC / at 50/06 Hz / rated value       690 V         Protection class IP       IP20         protection class IP / on the front       IP20         power loss [W]       • for rated value of the current / at AC / in hot operating state / per pole       • for rated value of the current / at AC / in hot operating state / per pole         • maximum       350 W       S50 W         Current	-	1 000 V
protection class IP         IP20           protection class IP / on the front         IP20           protection function of the overcurrent release         LSING           Dissipation         ING           power loss [W]         6 for rated value of the current / at AC / in hot operating state / per pole         116.7 W           • maximum         350 W           Current         1 600 A           continuous current / rated value / maximum         1 600 A           adjustable current response value current         1 600 A           • of instantaneous short-circuit trip unit / initial value value         32 000 A           • of instantaneous short-circuit trip unit / full-scale value         32 000 A           • of instantaneous short-circuit trip unit / full-scale value         60 Hz           • of rated value         50 Hz           • 1 / rated value         50 Hz           • 2 / rated value         60 Hz           • 2 / rated value         1 600 A           • at 40 °C / rated value         1 600 A           • at 50 °C / rated value         1 600 A           • at 50 °C / rated value         1 600 A           • at 50 °C / rated value         1 600 A           • at 60 °C / rated value         1 600 A           • at 60 °C / rated value         1 600 A </td <td></td> <td>690 V</td>		690 V
protection class IP         IP20           protection class IP / on the front         IP20           protection function of the overcurrent release         LSING           Dissipation         ING           power loss [W]         6 for rated value of the current / at AC / in hot operating state / per pole         116.7 W           • maximum         350 W           Current         1 600 A           continuous current / rated value / maximum         1 600 A           adjustable current response value current         1 600 A           • of instantaneous short-circuit trip unit / initial value value         32 000 A           • of instantaneous short-circuit trip unit / full-scale value         32 000 A           • of instantaneous short-circuit trip unit / full-scale value         60 Hz           • of rated value         50 Hz           • 1 / rated value         50 Hz           • 2 / rated value         60 Hz           • 2 / rated value         1 600 A           • at 40 °C / rated value         1 600 A           • at 50 °C / rated value         1 600 A           • at 50 °C / rated value         1 600 A           • at 50 °C / rated value         1 600 A           • at 60 °C / rated value         1 600 A           • at 60 °C / rated value         1 600 A </td <td>Protection class</td> <td></td>	Protection class	
protection class IP / on the front       IP20         protection function of the overcurrent release       LSING         Dissipation		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       350 W         Current         continuous current / rated value / maximum       1 600 A         adjustable current response value current       1 600 A         • of the current-dependent overload release / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of rester value       60 Hz         operating frequency       50 Hz         • 1 / rated value       50 Hz         • 2 / rated value       60 Hz         operational current       60 Hz         • at 40 °C / rated value       1 600 A         • at 50 °C / rated value       1 600 A         • at 50 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 50 °C / rated value       1 600 A         • at 50 °C / rated value       1 600 A         • at 50 °C / rated value       1 60		LSING
power loss [W]       • for rated value of the current / at AC / in hot operating state / per pole       116.7 W         • maximum       350 W         Current       000 A         continuous current / rated value / maximum       1 600 A         adjustable current response value current       1 600 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         value       0 instantaneous short-circuit trip unit / full-scale       32 000 A         value       0 for stated value       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         value       0 for stated value       32 000 A         • of instantaneous short-circuit trip unit / full-scale       32 000 A         value       0 for stated value       60 Hz         operating frequency       60 Hz       60 Hz         • 1 / rated value       1 600 A       60 Hz         operational current       1 600 A       60 Hz         • at 40 °C / rated value       1 600 A       60 Hz         • at 60 °C / rated value       1 600 A       60 Hz         • at 60 °C / rated value       1 600 A       60 Hz         • at 60 °C / rated value       1 6		
operating state / per pole350 WCurrent350 WCurrent1 600 Acontinuous current / rated value / maximum1 600 Aadjustable current response value current600 A• of the current-dependent overload release / full- scale value1 600 A• of instantaneous short-circuit trip unit / initial value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuitoperating frequency • 1 / rated value50 Hz• 2 / rated value60 Hzoperational current60 A• at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value	power loss [W]	
• maximum350 WCurrent• Continuous current / rated value / maximum1 600 Acontinuous current / rated value1 600 Aadjustable current response value current1 600 A• of the current-dependent overload release / full- scale value1 600 A• of instantaneous short-circuit trip unit / initial value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuit32 000 Aoperating frequency50 Hz• 1 / rated value50 Hz• 2 / rated value60 Hzoperational current1 600 A• at 40 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 600 A• at 70 °C / rated value1 490 A	<ul> <li>for rated value of the current / at AC / in hot</li> </ul>	116.7 W
Current       1 600 A         continuous current / rated value       1 600 A         adjustable current response value current       1 600 A         • of the current-dependent overload release / full-scale value       1 600 A         • of instantaneous short-circuit trip unit / initial value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       32 000 A         • of instantaneous short-circuit trip unit / full-scale value       50 Hz         • operating frequency       60 Hz         • operational current       60 Hz         • at 40 °C / rated value       1 600 A         • at 55 °C / rated value       1 600 A         • at 60 °C / rated value       1 600 A         • at 65 °C / rated value       1 600 A         • at 65 °C / rated value       1 600 A         • at 65 °C / rated value       1 600 A         • at 65 °C / rated value       1 600 A         • at 70 °C / rated value       1 600 A         • at 70 °C / rated value       1 490 A	operating state / per pole	
continuous current / rated value / maximum1 600 Acontinuous current / rated value1 600 Aadjustable current response value current1 600 A• of the current-dependent overload release / full- scale value1 600 A• of instantaneous short-circuit trip unit / initial value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• operating frequency • 1 / rated value60 Hz• operational current • at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 600 A• at 70 °C / rated value1 490 A	• maximum	350 W
continuous current / rated value1 600 Aadjustable current response value current1 600 A• of the current-dependent overload release / full- scale value1 600 A• of instantaneous short-circuit trip unit / initial value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuit50 Hzoperating frequency50 Hz• 1 / rated value60 Hzoperational current60 Hz• at 40 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 490 A	Current	
adjustable current response value current1 600 A• of the current-dependent overload release / full- scale value1 600 A• of instantaneous short-circuit trip unit / initial value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuit32 000 Aoperating frequency50 Hz• 1 / rated value60 Hzoperational current60 Hz• at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 600 A• at 70 °C / rated value1 600 A• at 70 °C / rated value1 490 A	continuous current / rated value / maximum	1 600 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>32 000 A</li> <li>40 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>41 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 600 A</li> <li>41 60 °C / rated value</li> <li>1 490 A</li> </ul>	continuous current / rated value	1 600 A
scale value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuit32 000 A• operating frequency • 1 / rated value50 Hz• 2 / rated value60 Hz• operational current60 Hz• at 40 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 600 A	adjustable current response value current	
• of instantaneous short-circuit trip unit / initial value32 000 A• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuit32 000 A• Main circuit• • • • • • • • • • • • • • • • • • •		1 600 A
• of instantaneous short-circuit trip unit / full-scale value32 000 AMain circuitoperating frequency • 1 / rated value50 Hz• 2 / rated value60 Hzoperational current60 Hz• at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A		32,000 A
valueMain circuitoperating frequency1 / rated value2 / rated value2 / rated value60 Hzoperational currentat 40 °C / rated value1 600 Aat 50 °C / rated value1 600 Aat 60 °C / rated value1 600 A1 400 A1 400 A1 400 A	•	
operating frequency50 Hz• 1 / rated value60 Hz• 2 / rated value60 Hzoperational current1 600 A• at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 490 A	1	32 000 A
<ul> <li>1 / rated value</li> <li>2 / rated value</li> <li>2 / rated value</li> <li>60 Hz</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>1 600 A</li> <li>at 50 °C / rated value</li> <li>1 600 A</li> <li>at 55 °C / rated value</li> <li>1 600 A</li> <li>at 60 °C / rated value</li> <li>1 600 A</li> <li>at 65 °C / rated value</li> <li>1 600 A</li> <li>at 65 °C / rated value</li> <li>1 600 A</li> <li>at 70 °C / rated value</li> <li>1 490 A</li> </ul>	Main circuit	
• 2 / rated value60 Hzoperational current-• at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 490 A	operating frequency	
operational current• at 40 °C / rated value1 600 A• at 50 °C / rated value1 600 A• at 55 °C / rated value1 600 A• at 60 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 65 °C / rated value1 600 A• at 70 °C / rated value1 490 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 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 490 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 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 490 A</li> </ul>	operational current	
<ul> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 490 A</li> </ul>	• at 40 °C / rated value	1 600 A
<ul> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 490 A</li> </ul>	• at 50 °C / rated value	1 600 A
<ul> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> <li>1 600 A</li> <li>1 490 A</li> </ul>	• at 55 °C / rated value	1 600 A
• at 70 °C / rated value 1 490 A	• at 60 °C / rated value	1 600 A
	<ul> <li>at 65 °C / rated value</li> </ul>	1 600 A
	• at 70 °C / rated value	1 490 A
Auxiliary circuit	Auxiliary circuit	

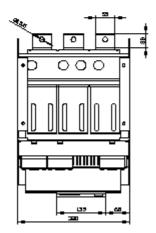
number of NC contacts / for auxiliary contacts	2	
number of NO contacts / for auxiliary contacts	2	
Suitability		
suitability for use	Plant / motor protection	
Adjustable parameters		
adjustable current response value current / of the current-	640 A	
dependent overload release / initial value		
Product details		
product component		
trip indicator	Yes	
<ul> <li>voltage trigger</li> </ul>	No	
<ul> <li>undervoltage release</li> </ul>	No	
design of the auxiliary switch	2 NO + 2 NC	
product extension / optional / motor drive	Yes	
Product function		
product function		
<ul> <li>grounding protection</li> </ul>	Yes	
<ul> <li>phase failure detection</li> </ul>	Yes	
Display and operation		
display version	without display	
Short circuit		
breaking capacity operating short-circuit current (lcs)		
at 415 V / rated value	55 kA	
• at 500 V / rated value	55 kA	
• at 690 V / rated value	42 kA	
breaking capacity maximum short-circuit current (Icu)		
• at 415 V / rated value	55 kA	
• at 500 V / rated value	55 kA	
• at 690 V / rated value	42 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		
• 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/3WL1116 Image database (product images, 2D dimension drawing		
http://www.automation.siemens.com/bilddb/cax_en.aspx?ml		
Tender specifications		

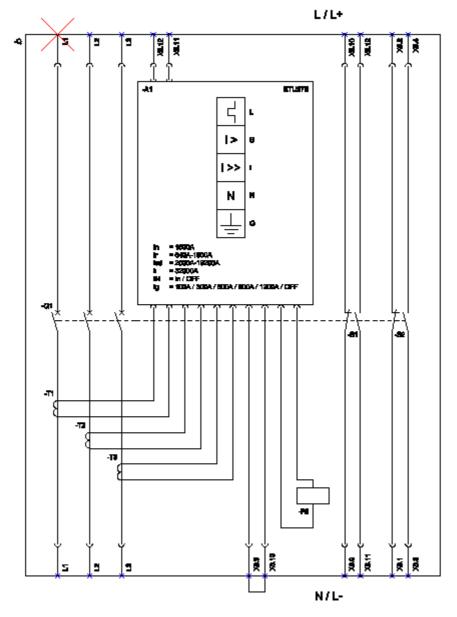
Tender specifications http://www.siemens.com/specifications











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:

3/13/2020 🖸