## SIEMENS

## Data sheet

## 3LD2213-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	Floor mounting with door coupling
design of the actuating element	Short rotary knob
color of the actuating element	black
design of handle	rotary operating mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	2
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	6 kV
operating voltage	
at AC rated value	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP on the front	IP65
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	32 A
• at AC-21 A at 240 V rated value	32 A
• at AC-21 A at 400 V rated value	32 A
• at AC-21 A at 440 V rated value	32 A

- In the Content of the control of	• at AC-23 A at 400 V rated value	22 A
• A1 A C23 A at A90 Vinet value     9 KV       • A1 A C23 A at A90 Vinet value     12 KV       • • A1 A C23 A at A90 Vinet value     12 KV       • • A1 A C23 A at 690 Vinet value     12 KV       • • A1 A C23 A at 690 Vinet value     12 KV       • • A1 A C23 At 690 Vinet value     12 KV       • • A1 A C23 At 690 Vinet value     12 KV       • • A1 A C23 At 690 Vinet value     12 KV       • • A1 A C23 At 690 Vinet value     12 KV       • • A1 A C23 At 690 Vinet value     12 KV       • • A1 A C23 At 690 Vinet value     10 KV       • • A1 A C23 At 690 Vinet value     10 KV       • • A1 A C23 At 690 Vinet value     10 KV       • • • A1 A C23 At 690 Vinet value     10 KV       • • • • A1 A C23 At 690 Vinet value     10 KV       • • • • • • • • • • • • • • • • • • •		
art AC-23 A at 460 Y rated value     12 kW       art AC-23 A at 660 Y rated value     5 kW       art AC-23 A at 660 Y rated value     5 kW       art AC-3 at at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     16 kW       art AC-3 at 600 Y rated value     0       art AC-3 at 600 Y rated value     00 Y       contracts art AC-3 at 600 Y rated value     00 Y       art AC-3 at 600 Y rated value     00 Y       art AC-3 at 600 Y rated value     00 Y       art AC-3 at 600 Y rated value     00 Y       art AC-3 at 600 Y Row     Yes       art		6 kW
••••••••••••••••••••••••••••••••••••		
air AC-23 Art 660 V rated value     12 kW       air AC-3 air 400 V rated value     10 kW       bit AC-3 air 400 V rated value     10 kW       air AC-3 air 400 V rated value     10 kW       bit AC-3 air 400 V rated value     10 kW       contracts for auxiliary contacts     0       number of Co-contacts for auxiliary contacts     0       number of Co-contacts for auxiliary contacts     0       operating values of auxiliary contacts at AC maximum     500 V       continues current of the auxiliary contact at AC maximum     500 V       continues current of the auxiliary contact at AC maximum     500 V       suitability for use main switch     Yes       suitability for use maint switch     Yes		
• a1 AC-3 at 240 Y rated value5 5 WW• a1 AC-3 at 240 Y rated value10 KW• a1 AC-3 at 240 Y rated value10 KWAzultary circuit0rumber of DC contacts for auxiliary contacts0number of NC contacts for auxiliary contact at 00oparating value of auxiliary contact at AC maximum500 Vcontacts for auxiliary contact at AC maximum500 Vcontacts for auxiliary contact at AC maximum500 Vcontacts for auxiliary contact at AC maximum500 VStatebility500 Vsuitability for use anian switchYessuitability for use anian switchYes		
••••••••••••••••••••••••••••••••••••		
• at AC3 at 890 V rated value         9.5 kW           Auxiliary circuit         0           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating valueg of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contacts at AC maximum         500 V           contacts for auxiliary contacts at AC maximum         500 V           suitability for use main switch         Yes           product facture can be factored (PF switch         No           suitability for use maintenact/repair switch         Yes           product catures can be locked into OFF position         Yes           suitability for use maintenact/repair switch         Yes           product catures can be locked into OFF position         Yes           suitability for use maintenact/repair switch         Yes           product catures can be locked into OFF position         Yes           suitability for use maintenact/repair switch         Yes           product catures can be locked into OFF position         No           number of contacts for auxiliary contac		
Auditary circuit         0           number of CC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         500 V           suitability for use main switch         Yes           suitability for use switch disconnector         Yes           product distality         Yes           suitability for use switch disconnector         Yes           product distality         Yes           suitability for use switch disconnector         Yes           auxitability for use switch disconnector         Yes           auxitability for use switch disconnector         Yes           accessories         Product disclitty           product disclitty		
number of CD contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contacts at AC maximum         500 V           suitability for use anin switch         Yes           suitability for use switch disconnector         Yes           suitability for use main switch         Yes           suitability for use safety switch         Yes           auxiliability for use main switch         Yes           suitability for use main switch         Yes           auxiliability for use safety switch         Yes           auxiliability for use main switch         Yes           auxiliability for use safety switch         Yes           auxiliability for use main switch         Yes           auxiliability for use main switch         So           auxiliability for use main switch         So<		5.5 KW
number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         500 V           suitability for use switch rated value         500 V           suitability for use switch disconnector         Yes           suitability for use smitch mannea/repair switch         Yes           suitability for use maintenance/repair switch         Yes           suitability for use maintenance/repair switch         Yes           accessories          No           product detailes         No         No           number of connectable NC contacts for auxiliary contacts         3         -           attachable maximum         3         -         -           number of connectable NC contacts for auxiliary contacts         48 mm         -           Abst prickable maximum         48 mm         -         -           attachable maximum         4.S.KA         -         -		0
number of NO contacts for auxiliary contacts         0           operating voltage of auxiliary contact and C maximum         500 V           continuous current of the auxiliary contact rade value         500 V           suitability for use main switch         Yes           suitability for use main switch         Yes           suitability for use main switch         Yes           suitability for use maintenance/regair switch         Yes           suitability tor use maintenance/regair switch         Yes           product details         product details           product details         remote of the           ves         Suitability tor use maintenance/regair switch         Yes           suitability for use maintenance/regair switch         Yes           product details         product details         remote of the           product details         No         No           number of one onetable NC contacts for auxiliary contacts         3           attachable maximum         3         1           number of onetable NC contacts for auxiliary contacts         5           attachable maximum         3         1           attachable maximum         3         1           happ thickness of the bracket locks         4 & mm           Sinor circuit		
operating votage of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         10 A           invaluation votage of the auxiliary contact rated value         500 V           Suitability for use main switch         Yes           suitability for use switch disconnector         Yes           suitability for use switch disconnector         Yes           suitability for use switch disconnector         Yes           suitability for use safety switch         Yes           suitability for use safety switch         Yes           product deature can be locked into OFF position         Yes           accessories         Product deature can be locked into OFF position           * working trigger         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         4           attachable maximum         4           attachable maximum         4.5 kA           attachable maximum         4.5 kA           attachable maximum         5           of that contacts for auxiliary contacts         5           condintional short-circuit current with line-side fuse<	· · · · · · · · · · · · · · · · · · ·	
Continuous current of the auxiliary contact rated value     10 A       Installion voltage of the auxiliary switch rated value     500 V       Suitability     500 V       Suitability for use main switch     Yes       suitability for use main switch     Yes       suitability for use maintenance/repair switch     Yes       suitability tor use maintenance/repair switch     Yes       suitability tor use maintenance/repair switch     Yes       Product fature can be locked into DFF position     Yes       Product strension optional     •       • motor drive     No       • voltage trigger     No       • unumber of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     5       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     1       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     5       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     5       attachable maximum     3       nabap thickness of the bracket locks     4 8 mm       Short circuit     5       conditional short-circuit uterront with lobeside fuse     5       a	· · · · · · · · · · · · · · · · · · ·	-
Insulation voltage of the auxiliary switch rated value     500 V       Suitability     Suitability for use main switch     Yes       Suitability for use switch disconnector     Yes       Suitability for use safety switch     Yes       suitability for use anale switch     Yes       Suitability for use anale to disconnector     Yes       Suitability for use anale to disconnector     Yes       Suitability for use anale to disconnector     Yes       Product detaure can be locked into OFF position     Yes       Product detaure can be locked into OFF position     Yes       Product detaure can be locked into OFF position     Yes       Product detaure can be locked into OFF position     Yes       In unoter of connectable NC contacts for auxiliary contacts     3       number of connectable NC contacts for auxiliary contacts     5       number of connectable NC contacts for auxiliary contacts     5       number of connectable NC contacts for auxiliary contacts     4 @ mm       Short circuit     0       number of connectable NC contacts for auxiliary contacts     5       Soft difficial     0       number of connectable NC contacts for auxiliary contacts     5       Soft difficial     0       number of connectable NC contacts for auxiliary contacts     5       Soft difficial     4 @ mm		
Suitability         Yes           suitability for use main switch         Yes           suitability for use Suitability for use MERGENCY OFF switch         No           suitability for use maintenance/repair switch         Yes           suitability for use maintenance/repair switch         Yes           product details         Product details           product details         Product details           product details         No           sccssories         No           sccssories         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         3           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         3           number of bracket locks         4 8 mm           Shot circuit         Shot Second           etterousity curement with line-side fuse         50 KA	· · · · · · · · · · · · · · · · · · ·	
suitability for use main switch         Yes           suitability for use set MRCBCAPC OFF switch         No           suitability for use set SMRCBCAPC OFF switch         Yes           product feature can be looked into OFF position         Yes           product feature can be looked into OFF position         Yes           product feature can be looked into OFF position         Yes           product feature can be looked into OFF position         Yes           product feature can be looked into OFF position         Yes           accessories         product feature can be looked into OFF position         Yes           accessories         number of connectable NC contacts for auxiliary contacts         3           attachable maximum         number of connectable CO contacts for auxiliary contacts         5           attachable maximum         3         1           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         3         1           number of connectable CO contacts for auxiliary contacts         0           state chable maximum         3         1           number of connectable CO contacts for auxiliary contacts         0         1           conditional short-circuit current with line-side fuse         0         k 8 mm           conditional	, , , , , , , , , , , , , , , , , , ,	500 V
suitability for use switch disconnector         Yes           suitability for use switch disconnector         Yes           suitability for use safety switch         Yes           suitability for use safety switch         Yes           product datails         Product datails           product datails         No           accessories         Product datails           product datails         No           - unber of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         3           hasp thickness of the brackot tocks         4           sold of tracket locks maximum         45 kA           e at 800 V by Gr use rated value         50 kA           let-through current with loesed switch         9 kA2.8           e at 800 V for combination switch + gG fuse maximum         4.5 kA           e at 800 V for combination switch + gG fuse maximum         5 kA           e at 800 V for combination swi		Vee
suitability for use EMERGENCY OFF switch         No           suitability for use maintenance/repair switch         Yes           product feature can be locked into OFF position         Yes           accessories         Product details           product extension optional         Yes           • motor drive         No           • wotor drive         No           • wotor drive         No           • wotor drive         No           • wotor drive         No           • unotor drive         No           • wotor drive         No           • wotor drive         No           • wotor drive         No           • unoter of connectable NO contacts for auxiliary contacts         3           number of connectable CO contacts for auxiliary contacts         0           number of bracket locks maximum         3           name of bracket locks maximum         4 & mm           Short dricut         4 & mm           contacts bracket locks         4 & mm           at 600 V for combination switch + gG fuse maximum         4.5 kA           • at 620 V for combination switch + gG fuse maximum         5 kA           • at 620 V for combination switch + gG fuse maximum         5 kA           • at 620 V for combinati		
suitability for use safety switch         Yes           suitability for use maintenance/repair switch         Yes           Product dealus	· · · · · ·	
suitability for use maintenance/repair switch         Yes           Product details         product feature can be locked into OFF position         Yes           accessories         product extension optional         into drive         No           • wolding trigger         No         No         into drive         No           number of connectable NC contacts for auxiliary contacts         3         3         3           number of connectable CO contacts for auxiliary contacts         5         3         3           number of connectable CO contacts for auxiliary contacts         0         1         3           number of connectable CO contacts for auxiliary contacts         0         1         3           number of connectable CO contacts for auxiliary contacts         0         1         3           number of bracket locks maximum         3         3         3         3           attachable maximum         3         1         4         6         1         8         1         8         1         8         1		
Product feature can be locked into OFF position       Yes         product feature can be locked into OFF position       Yes         product extension optional       Instor drive         Instor drive       No         Number of connectable NC contacts for auxiliary contacts       3         attachable maximum       3         number of connectable NC contacts for auxiliary contacts       5         attachable maximum       0         number of connectable CO contacts for auxiliary contacts       0         attachable maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       50 kA         lett-through current with line-side fuse protection       50 kA         iett-through current with closed switch       4.5 kA         • at 400 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combin		
product feature can be locked into OFF position         Yes           accessories         product extension optional		162
accessories     product extension optional          • motor drive • voltage trigger     No       number of connectable NC contacts for auxiliary contacts attachable maximum       3        number of connectable NC contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of bracket locks maximum       3         conditional short-circuit current with line-side fuse protection       5         conditional short-circuit current with line-side fuse protection       50 kA         et 400 V by gG fuse rated value       50 kA         et 400 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maxi		Vac
product extension optional         No           • notor drive         No           • voltage trigger         No           number of connectable NC contacts for auxiliary contacts attachable maximum         3           number of connectable NO contacts for auxiliary contacts attachable maximum         5           number of connectable NO contacts for auxiliary contacts         0           attachable maximum         3           number of bracket locks maximum         3           number of bracket locks maximum         3           hasp thickness of the bracket locks         4 8 mm           Short circuit         50 kA           Ist-through current with line-side fuse protection         50 kA           • at 690 V by gG fuse rated value         50 kA           ist 400 V for combination switch + gG fuse maximum         4.5 kA           • at 240 V for combination switch + gG fuse maximum         5 kA           izt value with closed switch         9 kA2.s           • at 240 V for combination switch + gG fuse maximum         9 kA2.s           • at 800 V for combination switch + gG fuse maximum         9 kA2.s           • at 800 V for combination switch + gG fuse maximum         9 kA2.s           • at 800 V for combination switch + gG fuse maximum         9 kA2.s           • at 800 V for combination switch +	· ·	
• motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     5       number of connectable NC contacts for auxiliary contacts     5       attachable maximum     0       number of connectable CO contacts for auxiliary contacts     0       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     0       attachable maximum     3       namber of bracket locks maximum     3       hasp thickness of the bracket locks     4 8 mm       Short circuit     Conditional short-circuit current with line-side fuse protection       • at 690 V by gG fuse rated value     50 kA       let-through current with closed switch     4.5 kA       • at 240 V for combination switch + gG fuse maximum     4.5 kA       • at 240 V for combination switch + gG fuse maximum     9 kA2.s       • at 240 V for combination switch + gG fuse maximum     9 kA2.s       • at 240 V for combination switch + gG fuse maximum     9 kA2.s       • at 240 V for combination switch + gG fuse maximum     9 kA2.s       • at 240 V for combination switch + gG fuse maximum     9 kA2.s       • at 240 V for combination switch + gG fuse maximum     9 kA2.s       • at 690 V by for combination switch + gG fuse maximum     9 kA2.s		
• voltage trigger         No           number of connectable NC contacts for auxiliary contacts attachable maximum         3           number of connectable NO contacts for auxiliary contacts attachable maximum         5           number of connectable CO contacts for auxiliary contacts attachable maximum         0           number of protecket locks maximum         3           hasp thickness of the bracket locks         4 8 mm           Short circuit         5           conditional short-circuit current with line-side fuse protection         50 kA           e at 800 V by gG fuse rated value         50 kA           e at 240 V for combination switch + gG fuse maximum         4.5 kA           e at 400 V for combination switch + gG fuse maximum         5 kA           e at 400 V for combination switch + gG fuse maximum         5 kA           e at 400 V for combination switch + gG fuse maximum         9 kA2.s           e at 400 V for combination switch + gG fuse maximum         9 kA2.s           e at 400 V for combination switch + gG fuse maximum         9 kA2.s           e at 800 V for combination switch + gG fuse maximum         9 kA2.s           e at 800 V for combination switch + gG fuse maximum         9 kA2.s           e for short-circuit protection of the main circuit required         fuse gL/gG: 40 A           for short-circuit protection of the auxiliary switch r		
number of connectable NC contacts for auxillary contacts       3         attachable maximum       5         number of connectable NO contacts for auxillary contacts       5         attachable maximum       0         number of connectable CO contacts for auxillary contacts       0         attachable maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       conditional short-circuit current with line-side fuse protection         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         e at 690 V for combination switch + gG fuse maximum       4.5 kA         e at 690 V for combination switch + gG fuse maximum       5 kA         permissible       fuse maximum         it value with closed switch       e k42.40 V for combination switch + gG fuse maximum         e at 240 V for combination switch + gG fuse maximum       9 kA2.s         e at 690 V for combination switch + gG fuse maximum       9 kA2.s         e at 690 V for combination switch + gG fuse maximum       9 kA2.s         e at 690 V for combination switch + gG fuse maximum       9 kA2.s         e at 690 V for combination switch + gG fuse maximum       9 kA2.s         e for short-circuit protectio		
attachable maximum       5         number of connectable NO contacts for auxiliary contacts       5         number of connectable CO contacts for auxiliary contacts       0         attachable maximum       3         namber of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       5         conditional short-circuit current with line-side fuse protection       50 kA         e at 800 V by gG fuse rated value       50 kA         et-through current with closed switch       4 8 mm         e at 240 V for combination switch + gG fuse maximum       4.5 kA         e at 240 V for combination switch + gG fuse maximum       5 kA         e at 240 V for combination switch + gG fuse maximum       5 kA         e at 890 V for combination switch + gG fuse maximum       9 kA2.s         e at 400 V for combination switch + gG fuse maximum       9 kA2.s         e at 400 V for combination switch + gG fuse maximum       9 kA2.s         e at 400 V for combination switch + gG fuse maximum       9 kA2.s         e at 400 V for combination switch + gG fuse maximum       9 kA2.s         e design of the fuse link       10 fuse gL/gG: 40 A         e for short-circuit protection of the maximum       9 kA2.s         design of the fuse link       60 for		
attachable maximum       0         number of connectable CO contacts for auxiliary contacts       0         number of bracket locks maximum       3         hasp thickness of the bracket locks       48 mm         Short circuit       conditional short-circuit current with line-side fuse protection         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 400 V for combination switch + gG fuse maximum       5 kA         iet 440 V for combination switch + gG fuse maximum       5 kA         iet 440 V for combination switch + gG fuse maximum       9 kA2.s         iet 240 V for combination switch + gG fuse maximum       9 kA2.s         iet 440 V for combination switch + gG fuse maximum       9 kA2.s         iet 440 V for combination switch + gG fuse maximum       9 kA2.s         iet 240 V for combination switch + gG fuse maximum       9 kA2.s         iet 3690 V for combination switch + gG fuse maximum       9 kA2.s         design of the fuse link       fuse gu/gG: 40 A         if or short-circuit protection of the main circuit required       fuse gu/gG: 10 A         operational current at AC according to UL 508/UL 60947.4-1       32 A         desigar of the just is rated value       4	attachable maximum	
attachable maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       conditional short-circuit current with line-side fuse protection         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         e at 420 V for combination switch + gG fuse maximum       4.5 kA         e at 430 V for combination switch + gG fuse maximum       5 kA         e at 440 V for combination switch + gG fuse maximum       5 kA         e at 440 V for combination switch + gG fuse maximum       9 kA2.s         e at 240 V for combination switch + gG fuse maximum       9 kA2.s         e at 440 V for combination switch + gG fuse maximum       9 kA2.s         e at 440 V for combination switch + gG fuse maximum       9 kA2.s         e at 690 V for combination switch + gG fuse maximum       9 kA2.s         e at 690 V for combination switch + gG fuse maximum       9 kA2.s         design of the fuse link       fuse gL/gG: 40 A         e for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       40 A         seconding UL       600 V         operating voltage at AC at 50/00 Hz according to UL 508/UL       600 V <td>attachable maximum</td> <td></td>	attachable maximum	
hasp thickness of the bracket locks       4 8 mm         Short circuit       Conditional short-circuit current with line-side fuse protection         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       50 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         design of the fuse link       fuse gL/gG: 40 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       40 A         according UL       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value		0
Short circuit           conditional short-circuit current with line-side fuse protection         50 kA           iet-through current with closed switch         50 kA           iet-through current with closed switch         4.5 kA           i at 400 V for combination switch + gG fuse maximum         4.5 kA           i at 400 V for combination switch + gG fuse maximum         5 kA           i at 400 V for combination switch + gG fuse maximum         5 kA           i at 240 V for combination switch + gG fuse maximum         9 kA2.s           i at 240 V for combination switch + gG fuse maximum         9 kA2.s           i at 400 V for combination switch + gG fuse maximum         9 kA2.s           i at 690 V for combination switch + gG fuse maximum         9 kA2.s           i at 690 V for combination switch + gG fuse maximum         9 kA2.s           i at 690 V for combination switch + gG fuse maximum         9 kA2.s           i at 690 V for combination switch + gG fuse maximum         9 kA2.s           i at 690 V for combination switch + gG fuse maximum         9 kA2.s           operational current of upstream fuse rated value         40 A           according UL         40 A           according UL         508/UL 60947-4-1           operational current at AC according to UL 508/UL 60947-4-1         32 A           rated value         600 V <td>number of bracket locks maximum</td> <td>3</td>	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse       50 kA         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       4.5 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • for short-circuit protection of the main circuit required       fuse gL/gG: 40 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current of upstream fuse rated value	hasp thickness of the bracket locks	4 8 mm
protection50 kA• at 690 V by gG fuse rated value50 kAlet-through current with closed switch50 kA• at 240 V for combination switch + gG fuse maximum4.5 kA• at 640 V for combination switch + gG fuse maximum5 kA• at 640 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current at AC according to UL 508/UL800 V• operating voltage at AC at 50/60 Hz according to UL 508/UL600 V• 60947-4-1 rated value600 V• 60947-4-1 rated value20• 60947-4-1 ra	Short circuit	
let-through current with closed switch       4.5 kA         • at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • design of the fuse link       •         • for short-circuit protection of the main circuit required       fuse gL/gG: 40 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current at AC according to UL 508/UL 60947-4-1       32 A         according UL       32 A         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       20         60947-4-1 rated value       20         active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value       20		
• at 240 V for combination switch + gG fuse maximum       4.5 kA         • at 440 V for combination switch + gG fuse maximum       5 kA         • at 690 V for combination switch + gG fuse maximum       5 kA         • at 240 V for combination switch + gG fuse maximum       5 kA         • at 240 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 440 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • at 690 V for combination switch + gG fuse maximum       9 kA2.s         • design of the fuse link       •         • for short-circuit protection of the main circuit required       fuse gL/gG: 40 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       40 A         according UL       32 A         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL       20         60947-4-1 rated value       20	<ul> <li>at 690 V by gG fuse rated value</li> </ul>	50 kA
• at 440 V for combination switch + gG fuse maximum permissible4.5 kA• at 690 V for combination switch + gG fuse maximum permissible5 kA <b>I2t value with closed switch</b> 9 kA2.s• at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • kA2.s9 kA2.s• at 690 V for combination switch + gG fuse maximum • at 640 V for combination switch + gG fuse maximum • at 640 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 A32 Aaccording UL • operational current at AC according to UL 508/UL • 60947-4-1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL • 60947-4-1 rated value20active power [hp] at AC at 480 V according to UL 508/UL • 60947-4-1 rated value20	let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible5 kAI2t value with closed switch9 kA2.s• at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • kA2.s• at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 A• operational current of upstream fuse rated value40 Aaccording UL • Operational current at AC according to UL 508/UL 60947-4-1 • for short1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL • 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL • 60947-4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL • 60947-4-1 rated value20	<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	4.5 kA
permissibleI2t value with closed switch• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value40 Aaccording ULoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated valueactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated valueactive power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated valueactive power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	4.5 kA
• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value40 Aaccording UL0operational current at AC according to UL 508/UL 60947-4-132 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20		5 kA
• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value40 Aaccording UL32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value20	I2t value with closed switch	
• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse linkfuse gL/gG: 40 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value40 Aaccording UL32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value32 Aactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value20	<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	9 kA2.s
design of the fuse link <ul> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 40 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 10 A</li> </ul> operational current of upstream fuse rated value         40 A           according UL operational current at AC according to UL 508/UL 60947-4-1 rated value         32 A           operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value              600 V            active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value              20            active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value               20	<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	9 kA2.s
<ul> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 40 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 10 A</li> <li>operational current of upstream fuse rated value</li> <li>40 A</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1</li> <li>32 A</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL</li> <li>600 √</li> <li>600 √</li> <li>60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> <li>20</li> </ul>	• at 690 V for combination switch + gG fuse maximum	9 kA2.s
• for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       40 A         according UL       32 A         operational current at AC according to UL 508/UL 60947-4-1 rated value       32 A         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value       20         active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value       20	design of the fuse link	
operational current of upstream fuse rated value40 Aaccording UL40 Aoperational current at AC according to UL 508/UL 60947-4-1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value20	<ul> <li>for short-circuit protection of the main circuit required</li> </ul>	fuse gL/gG: 40 A
according UL         operational current at AC according to UL 508/UL 60947-4-1       32 A         rated value       32 A         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL       20         active power [hp] at AC at 600 V according to UL 508/UL       20         active power [hp] at AC at 600 V according to UL 508/UL       20	<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value20	operational current of upstream fuse rated value	40 A
rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       20         active power [hp] at AC at 480 V according to UL 508/UL       20         active power [hp] at AC at 600 V according to UL 508/UL       20         active power [hp] at AC at 600 V according to UL 508/UL       20	according UL	
60947-4-1 rated value       20         active power [hp] at AC at 480 V according to UL 508/UL       20         60947-4-1 rated value       20         active power [hp] at AC at 600 V according to UL 508/UL       20         60947-4-1 rated value       20		32 A
60947-4-1 rated value       20         active power [hp] at AC at 600 V according to UL 508/UL       20         60947-4-1 rated value       20		600 V
60947-4-1 rated value		20
short-time withstand current (SCCR) at 600 V according to 5 kA		20
	short-time withstand current (SCCR) at 600 V according to	5 kA