# SIEMENS

#### Data sheet

### 3LD2514-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting of the handle

Model	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	3	
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	4.5 W	
Main circuit		
operational current		
• at AC-21 at 690 V rated value	63 A	
• at AC-21 A at 240 V rated value	63 A	
• at AC-21 A at 400 V rated value	63 A	
• at AC-21 A at 440 V rated value	63 A	

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• AC 23 A at 340 V mice vaue11 NV• AC 23 A at 400 V mice vaue22 NV• AC 23 A at 400 V mice vaue22 NV• AC 23 A at 400 V mice vaue11 NV• AC 23 A at 400 V mice vaue11 NV• AC 23 A at 400 V mice vaue11 NV• AC 23 A at 400 V mice vaue11 NV• AC 23 A at 400 V mice vaue11 NV• AC 23 At 400 V mice vaue10 NV• AC 23 At 400 V mice vaue10 NV• AC 23 At 400 V mice vaue10 NV• Ac 23 At 400 V mice vaue00 NV• Ac 23 At 400 V mice vaue00 NV• Ac 23 At 400 V mice vaue00 NV• Operating voltage of auxiliary contacts at 40 and 00 NV00 NV• Operating voltage of auxiliary contacts at 40 and 00 NV00 NV• Ac 23 At 400 V mice value90 NV• Stability for use maintennacion/pair switchYes• Stability for use safety switchYes• Ac 20 At 400 V mice value00 NV• Ac 20 At 400 V mice value00 NV• Ac 20 At 400 V mice value00 NV• Ac 20 At 20 NC 2	at AC-23 A at 400 V rated value	43 A
• A AC 33 A at 400 Y rated value22 W• B AC 33 At 300 Y rated value18 AV• B AC 33 At 300 Y rated value18 AV• B AC 33 At 300 Y rated value18 AV• B AC 33 At 300 Y rated value18 AV• B AC 33 at 300 Y rated value18 AV• B AC 33 at 300 Y rated value18 AV• B AC 33 at 300 Y rated value18 AV• B AC 33 at 300 Y rated value0• B AC 33 at 300 Y rated valueY E 5• B AC 34 At 300 Y rated valueY E 5• B AC 34 At 300 Y Rated ValueY E 5• B AC 34 At 300 Y Rated VALUEY E 5• B AC 34 At 300 Y Rated VALUEY E 5• B AC 34 At 300 Y Rated VALUEY E 5• B AC 34 At 300 Y Rated VALUEY E 5• B AC 34 At 300 Y RATE		44 IAM
• #1 A-23 A # 1440 Y rated value22 kW• #1 A-23 A # 1440 Y rated value11 kW• #1 A-23 at 240 V rated value18 kW• #1 A-23 at 260 V rated value0• #1 A-23 at 260 V rated value0• #1 A-23 at 200 V rated value0• #1 A-23 at 260 V rated value000 V• #1 A-23 V rated valueV• #1 A-23 V rated value0• #1 A-23 V rated value0• * #1 A-20 V rated value0 <t< td=""><td></td><td></td></t<>		
• AI AC-23 A at 690 V rated value19 kW• AI AC-3 at 420 V rated value19 kW• AI AC-3 at 420 V rated value19 kW• AI AC-3 at 630 V rated value0• number of AC contacts for auxiliary contacts0• number of AC contacts for auxiliary contacts0• operating voltage of auxiliary contacts at AC maximum600 V• contacts for auxiliary contact at AC maximum500 V• solubbility for use main switch10 A• sulubbility for use main switchYes• sulubbility for use safety switchYes• outing it figureNo• outing it figureNo• outing it figureNo• outing it figure3• outing it figure0• outing		
• al AC-3 at 240 Y rated value             11 kW               • al AC-3 at 400 V rated value             18 kW               • al AC-3 at 400 V rated value             18 kW               • all AC-3 at 400 V rated value             18 kW               • all AC-3 at 400 V rated value             0               unuber of NC contacts for auxiliary contacts             0               operating valtage of auxiliary contact at AC maximum             500 V               operating valtage of auxiliary contact at AC maximum             500 V               contacts for auxiliary contact at AC maximum             500 V               contact of the auxiliary contact at AC maximum             500 V               contact of the auxiliary contact at AC maximum             500 V               subability for use awitch disconnector             Yes               product extension optonal             No		
• at AC-3 at 400 Y rated value     19 kW       • at AC-3 at 400 Y rated value     15 kW       Pumber of C Contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       contacts of auxiliary contacts     0       contacts of auxiliary contacts at AC maximum     500 V       contacts of auxiliary contacts at AC maximum     500 V       contacts of auxiliary contacts at AC maximum     500 V       subability for use main switch     Yes       subability for use main switch     Yes       subability for use and switch at a data     3       nond rine     No       notor drine     No       notor drine     So       number of connectable OC contacts for auxiliary		
• al AG-3 at 850 Y rated value         15 kW           Aunitary of contracts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at A maximum         500 V           continuous current of the auxiliary contacts at A maximum         500 V           continuous current of the auxiliary contacts at A maximum         500 V           suitability for use awith disconnector         960 V           suitability for use awith disconnector         Yes           product aximison optional         *           • woltage trigger         No           • woltage trigger         No           * mator drive         3           * mator drive         3           * awith disconnectable NC contacts for auxiliary contacts         5           * under drive doconectable NC contacts for auxiliary contacts         5           * under drive doconectable NC contacts for auxiliary contacts         5 <td< td=""><td></td><td></td></td<>		
Auxiliary circuit         0           number of CO 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 which disconnector         Yes           suitability for use switch disconnector         Yes           suitability contactis for auxiliary contacts         Sontactistor           number of connectable NC contacts for auxiliary contac		
number of CC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           continuous current of the auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contacts at AC maximum         500 V           subability for use and auxiliary contacts at AC maximum         500 V           subability for use and auxiliary contacts at AC maximum         500 V           subability for use and auxiliary contacts         Ves           auxibility for use and auxiliary solution         Yes           product dotalia         Ves           product dotalia         No           product dotalia         No           product extension optional         No           • motor drive         No           • motor drive         No           • mumber of contacts for auxiliary contacts         3           attachable maximum         3           number of bracket locks         48 mm           Stort circuit         Stort circuit           contacts of the bracket locks         Stort circuit           at 400 V for combination switch + gG fuse maximum		15 KW
number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           continuous current of the auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact rated value         500 V           suitability for use which disconnector         Yes           suitability for use switch disconnector         Yes           roduct dualita         Yes           product faultar can be looked into OFF position         Yes           product faultar can be looked into OFF position         Yes           product faultar can be looked into OFF position         Yes           umber of connectable NC contacts for auxiliary contacts         3           umber of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           nasp thickness of the bracket locks         4		2
number of NO contacts for suxiliary contacts at AC maximum         500 V           operating voltage of suxiliary contacts at AC maximum         500 V           continuous current of the suxiliary contact rated value         500 V           suitability for use main switch rated value         500 V           suitability for use switch disconnector         Yes           suitability for use switch disconnector         Yes           suitability for use switch disconnector         Yes           suitability for use safety switch         Yes           product databas         Product databas           product databas         Product databas           product databas         No           orbid to take switch disconnector         No           orbid to faither can be locked into OFF position         Yes           product databas         Product databas           product databas         No           orbid to faither can be locked into OFF position         Yes           attachabbe maximum         India faither contacts for auxiliary contacts           attachabbe maximum         3           number of concactable NC contacts for auxiliary contacts         3           attachabbe maximum         3           number of concactable NC contacts for auxiliary contacts         4           t	·	
operating voltage of auxillary contacts at AC maximum         500 V           continuous current of the auxillary contact rated value         10 A           isuitability of use main switch         Yes           suitability for use main switch         Yes           suitability for use switch disconnector         Yes           product feature can be locked into OFF position         Yes           accessories         No           product feature can be locked into OFF position         Yes           accessories         No           number of connectable NC contacts for auxillary contacts         3           number of connectable NC contacts for auxillary contacts         5           state babbility action auxillary contacts         0           number of connectable NC contacts for auxillary contacts         0           state babbility action auxillary contacts         0           state babbility action auxillary contacts         0           state of the auxillary contacts         0           state of the auxillary contacts         0 <tr< td=""><td></td><td></td></tr<>		
continuous current of the auxiliary contact rated value         10 A           Insulation voltage of the auxiliary switch rated value         500 V           Suitability for use main switch         Yes           suitability for use solver disconnector         Yes           suitability for use main switch         Yes           suitability for use solver disconnector         Yes           product details         Yes           product details         Yes           product details         Yes           product details         Yes           product extension optional         No           • motor drive         No           • voltage trigger         No           • unotor drive         No           • unotor drive         No           • unotor drive         No           • unotor drive         No           number of connectable NC contacts for auxiliary contacts         3           number of connectable NC contacts for auxiliary contacts         1           number of connectable NC contacts for auxiliary contacts         5           fort drive         No           number of connectable NC contacts for auxiliary contacts         5           fort drive         Sont drive         0           attactable	·	
Insulation voltage of the auxiliary switch rated value Suitability Suitability for use main switch Suitability for use switch disconnector Product details Forduct det		
Suitability         Yes           suitability for use switch disconnector         Yes           suitability for use SMEQENCY OFF switch         No           suitability for use safety switch         Yes           suitability for use anintenance/orpair switch         Yes           suitability for use anintenance/orpair switch         Yes           product datus         Product datus           product datus         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         3           number of connectable CC contacts for auxiliary contacts         4 8 mm           Short circuit         So KA           orditional short-circuit current with line-side fuse         50 KA           orditional short-circuit current with line-side fuse         50 KA           orditional short-circuit arrent with in semamum         6 kA           • at 800 V bry off fuse rated value         50 KA           Id-through current with closed switch         6 kA           • at 800 V for combination switch + g6 fuse maximum	· · · · · · · · · · · · · · · · · · ·	
suitability for use main switch ges and switch yes ges and the second of		500 V
suitability for use switch disconnector         Yes           suitability for use setify switch         No           suitability tor use setify switch         Yes           suitability for use setify switch         Yes           suitability for use setify switch         Yes           product details         Product details           product extension optional         Yes           e.motor drive         No           • motor drive         No           • number of connectable NC contacts for auxiliary contacts         5           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         0           attachable maximum         3           number of bracket locks         4 8 mm           Short circuit         Start circuit           conditional short-circuit current with line-side fuse protection         6 kA           • at 800 V by g6 fuse rated value         50 kA           let.through current with closed switch         6 kA           • at 420 V for combination switch + g6 fuse maxim		
suitability for use Safety switch         No           suitability for use Safety switch         Yes           suitability for use Safety switch         Yes           product details            product setansion optional         Yes           excessories         No           • motor drive         No           • notor drive         No           • onloge frigger         No           number of connectable NC contacts for auxiliary contacts         3           number of connectable NO contacts for auxiliary contacts         3           number of connectable NO contacts for auxiliary contacts         3           number of connectable NO contacts for auxiliary contacts         9           number of connectable NO contacts for auxiliary contacts         9           number of connectable NO contacts for auxiliary contacts         9           number of connectable NO contacts for auxiliary contacts         9           number of connectable NO contacts for auxiliary contacts         9           attachable maximum         3           number of connectable NO contacts for auxiliary contacts         9           attachable maximum         5           attachable maximum         4           attachable maximum         5           attachable m	· · · · · · · · · · · · · · · · · · ·	
suitability for use safety switch         Yes           suitability for use naitonance/repair switch         Yes           Product detature can be locked into OFF position         Yes           accessories         Image: Comparison optional         Image: Comparison optional           • motor drive         No         No           • undbor drive         No         Image: Comparison optional         Image: Comparison optional           • motor drive         No         No         Image: Comparison optional         Image: Comparison optional           • undbor drive         No         So         Image: Comparison optional         Image: Comparison option Image: Comparison option optional         I		
suitability for use maintenance/repair switch         Yes           Product catasis         Product catasis           product eather can be locked into OFF position         Yes           accessories         Product extension optional           number of connectable NC contacts for auxiliary contacts         3           number of connectable OC contacts for auxiliary contacts         5           attachable maximum         3           number of connectable OC contacts for auxiliary contacts         0           attachable maximum         3           number of bracket locks maximum         3           conditional short-circuit current with line-side fuse         0           conditional short-circuit current with line-side fuse         5           conditional short-circuit current with line-side fuse         50 kA           et at 600 V by cGr fuse rated value         50 kA           et at 600 V for combination switch + gG fuse maximum         6 kA           et at 600 V for combination switch + gG fuse maximum         6 kA           et 600 V for combination switch + gG fuse maximum         6 kA           et 3240 V for combination switch + gG fuse maximum         21 kA2.s           et 600 V for combination switch + gG fuse maximum         21 kA2.s           et 600 V for combination switch + gG fuse maximum         21 kA2.s </td <td></td> <td></td>		
Product details         Yes           product extension optional         No           • motor drive         No           • voltage trigger         No           number 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         0           attachable maximum         3           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         3           hasp thickness of the bracket locks         4 8 mm           Stord crouti         50 kA           ettrivough current with closed switch         6 kA           et 400 V for combination switch + gG fuse maximum         6 kA           et 420 V for combination switch + gG fuse maximum         6 kA           et 420 V for combination switch + gG fuse maximum         21 kA2.s           et 420 V for combination switch + gG fuse maximum         21 kA2.s           et 420 V for combination switch + gG fuse maximum         21 kA2.s           et 420 V for combination switch + gG fuse maximum         21 kA2.s           et 420 V for combination switch + gG fuse maxim		
product feature can be locked into OFF position         Yes           accessories         product extension optional		Yes
accessories       product extension optional       • motor drive       • voltage trigger       number of connectable NC contacts for auxiliary contacts       attachable maximum       number of connectable NC contacts for auxiliary contacts       attachable maximum       number of connectable CO contacts for auxiliary contacts       attachable maximum       number of connectable CO contacts for auxiliary contacts       attachable maximum       number of connectable CO contacts for auxiliary contacts       attachable maximum       number of connectable CO contacts for auxiliary contacts       attachable maximum       number of connectable CO contacts for auxiliary contacts       attachable maximum       number of connectable CO contacts for auxiliary contacts       attachable maximum       attachable maximum       attachable maximum       attachable maximum       attachable maximum       attachable maximum       at 400 V by gG fuse rated value       ob kA       elet-through current with line-side fuse       protection       at 440 V for combination switch + gG fuse maximum       el 420 V for combination switch + gG fuse maximum       el 440 V for combination switch + gG fuse maximum       el 440 V for combination switch + gG fuse maximum       el 440 V for combination switch + gG fuse		
product extension optional     No       • motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts attachable maximum     3       number of connectable CO contacts for auxiliary contacts     5       attachable maximum     0       number of bracket locks maximum     3       hasp thickness of the bracket locks     4 8 mm       Short circuit     50 kA       iterthrough current with line-side fuse protection     50 kA       • at 890 V by gG fuse rated value     50 kA       • at 400 V for combination switch + gG fuse maximum     6 kA       • at 240 V for combination switch + gG fuse maximum     6 kA       • at 240 V for combination switch + gG fuse maximum     21 kA2.s       • at 480 V for combination switch + gG fuse maximum     21 kA2.s       • at 440 V for combination switch + gG fuse maximum     21 kA2.s       • at 440 V for combination switch + gG fuse maximum     21 kA2.s       • at 890 V for combination switch + gG fuse maximum     21 kA2.s       • at 890 V for combination switch + gG fuse maximum     21 kA2.s       • at 890 V for combination switch + gG fuse maximum     21 kA2.s       • at 890 V for combination switch + gG fuse maximum     21 kA2.s       • at 890 V for combination switch + gG fuse maximum     21 kA2.s       • at 890 V for combination switch + gG f		Yes
• motor driveNo• voltage triggerNonumber of connectable NC contacts for auxiliary contacts3attachable maximum5number of connectable CO contacts for auxiliary contacts5number of connectable CO contacts for auxiliary contacts0number of connectable CO contacts for auxiliary contacts0number of bracket locks maximum3namber of connectable CO contacts for auxiliary contacts0conditional short-circuit current with line-side fuse4 8 mmShort circuit50 kAe at 690 V by gG fuse rated value50 kAe at 690 V for combination switch + gG fuse maximum6 kA• at 240 V for combination switch + gG fuse maximum6 kA• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 240 V for combin		
• voltage trigger         No           number of connectable NC contacts for auxiliary contacts         3           number of connectable OC 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           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         3           number of connectable CO contacts for auxiliary contacts         0           statechable maximum         3           hasp thickness of the bracket locks         4 8 mm           Short circuit         5           conditional short-circuit current with line-side fuse protection         6 kA           e at 690 V for combination switch + gG fuse maximum         6 kA           e at 440 V for combination switch + gG fuse maximum         6 kA           e at 240 V for combination switch + gG fuse maximum         21 kA2.s           e at 240 V for combination switch + gG fuse maximum         21 kA2.s           e at 240 V for combination switch + gG fuse maximum         21 kA2.s           e at 240 V for combination switch + gG fuse maximum<		
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 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       6 kA         e at 800 V by gG fuse rated value       50 kA         let-through current with closed switch       6 kA         e at 400 V for combination switch + gG fuse maximum       6 kA         permissible       21 kA2.s         12 value with closed switch       9 fuse maximum         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 400 V for combination switch + gG fuse maximum       21 kA2.s         design of the fuse link       fuse gL/gG: 63 A         e for short-circuit protection of the main circuit required       fuse gL/gG: 63 A         e for short-circuit protection of the auxiliary switch required       fuse gL/gG: 63 A         e for short-circuit protection of the auxiliary switch required       fuse gL/gG: 63 A		
attachable maximum       5         number of connectable CO contacts for auxiliary contacts       5         number of connectable CO contacts for auxiliary contacts       0         number 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       50         e at 680 V by gG fuse rated value       50 kA         let-through current with closed switch       6 kA         e at 240 V for combination switch + gG fuse maximum       6 kA         e at 240 V for combination switch + gG fuse maximum       6 kA         e at 240 V for combination switch + gG fuse maximum       6 kA         e at 890 V for combination switch + gG fuse maximum       6 kA         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 240 V for combination switch + gG fuse maximum       6 kA         e at 890 V for combination switch + gG fuse maximum       21 kA2.s         e at 800 V for combination switch + gG fuse maximum       21 kA2.s         e for short-circuit protection of the main circuit required       fuse gL/gG: 63 A         i for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current at AC according to UL 508/UL       600 V		
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       50 kA         conditional short-circuit current with line-side fuse protection       50 kA         i 64 00 V by gG fuse rated value       50 kA         i 64 0V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 400 V for combination switch + gG fuse maximum       6 kA         • at 400 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • for short-circuit protection of the main circuit required       fuse gL/gG: 63 A         • for short-circuit protection of the auxillary switch required </td <td>attachable maximum</td> <td></td>	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         • at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 440 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 420 V for combination switch + gG fuse maximum       21 kA2.s         • at 490 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current at AC according to UL 508/UL       600 V         operating voltage at AC at 50/60 Hz according to UL 508/		
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       6 kA         • at 420 V for combination switch + gG fuse maximum       6 kA         • at 440 V for combination switch + gG fuse maximum       6 kA         • at 420 V for combination switch + gG fuse maximum       6 kA         • at 420 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 440 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current at AC according to UL 508/UL 60947-4-1       63 A         rated value       600 V         operational current at AC according to UL 508/UL 60947-4-1       63 A         rated value       600 V         operational current at AC according to UL 508/UL 60947-4-1       63 A         rated value       600 V	attachable maximum	0
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         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 440 V for combination switch + gG fuse maximum       6 kA         • at 690 V for combination switch + gG fuse maximum       6 kA         • at 640 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       63 A         according UL       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947.4-1 r	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection       50 kA         let-through current with closed switch       50 kA         e at 240 V for combination switch + gG fuse maximum       6 kA         e at 440 V for combination switch + gG fuse maximum       6 kA         e at 690 V for combination switch + gG fuse maximum       6 kA         e at 690 V for combination switch + gG fuse maximum       6 kA         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 690 V for combination switch + gG fuse maximum       21 kA2.s         e at 690 V for combination switch + gG fuse maximum       21 kA2.s         e at 690 V for combination switch + gG fuse maximum       21 kA2.s         design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       63 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       600 V         active power [hp] at AC at 480 V according to UL 508/UL       600         60947.4-1 rated value		4 8 mm
protection       50 kA         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       6 kA         e at 240 V for combination switch + gG fuse maximum       6 kA         e at 640 V for combination switch + gG fuse maximum       6 kA         e at 640 V for combination switch + gG fuse maximum       6 kA         permissible       6 kA         i at 240 V for combination switch + gG fuse maximum       6 kA         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 240 V for combination switch + gG fuse maximum       21 kA2.s         e at 640 V for combination switch + gG fuse maximum       21 kA2.s         e at 690 V for combination switch + gG fuse maximum       21 kA2.s         e at 690 V for combination switch + gG fuse maximum       21 kA2.s         design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current of upstream fuse rated value       63 A         according UL       600 V         operational current at AC according to UL 508/UL       600 V         60947-4-1 rated value       600 V         60947-4-1 rated value       600 V         60947-4-1 rated value       60         active p	Short circuit	
let-through current with closed switch       6 kA         • at 240 V for combination switch + gG fuse maximum       6 kA         • at 440 V for combination switch + gG fuse maximum       6 kA         • at 690 V for combination switch + gG fuse maximum       6 kA         • at 690 V for combination switch + gG fuse maximum       6 kA         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 240 V for combination switch + gG fuse maximum       21 kA2.s         • at 440 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • at 690 V for combination switch + gG fuse maximum       21 kA2.s         • design of the fuse link       •         • for short-circuit protection of the main circuit required       fuse gL/gG: 63 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       63 A         according UL       60 V         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       60 V         60947-4-1 rated value       60 V         active power [hp] at AC at 480 V according to UL 508/UL 609 V       50         60947-4-1 ra	conditional short-circuit current with line-side fuse	
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<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>21 kA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required<td><ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> </ul> </li> </ul></td><td>6 kA 6 kA</td></li></ul>	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> </ul> </li> </ul>	6 kA 6 kA
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<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: 63 A</li> <li>fuse gL/gG: 10 A</li> <li>63 A</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1</li> <li>rated value</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL</li> <li>600 V</li> <li>600 V</li> <li>600 V</li> <li>60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL</li> <li>50</li> </ul>	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> </ul> </li> </ul>	6 kA 6 kA 6 kA 21 kA2.s
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rated value       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       40         active power [hp] at AC at 600 V according to UL 508/UL       50         active power [hp] at AC at 600 V according to UL 508/UL       50	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> </ul> </li> </ul>	6 kA 6 kA 6 kA 21 kA2.s 21 kA2.s 21 kA2.s 21 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A
60947-4-1 rated value       40         active power [hp] at AC at 480 V according to UL 508/UL       40         60947-4-1 rated value       50         active power [hp] at AC at 600 V according to UL 508/UL       50	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> </ul> </li> </ul>	6 kA 6 kA 6 kA 21 kA2.s 21 kA2.s 21 kA2.s 21 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A
60947-4-1 rated value       50         active power [hp] at AC at 600 V according to UL 508/UL       50         60947-4-1 rated value       50	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch         <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>be</li></ul></li></ul>	6 kA 6 kA 6 kA 21 kA2.s 21 kA2.s 21 kA2.s 21 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A
60947-4-1 rated value	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>permissible</li> </ul> </li> <li>l2t value with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> </ul> </li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> </ul>	6 kA 6 kA 6 kA 21 kA2.s 21 kA2.s 21 kA2.s 21 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A
short-time withstand current (SCCR) at 600 V according to 5 kA	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> </ul> </li> <li>according UL</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1</li> <li>rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL</li> </ul>	6 kA 6 kA 6 kA 21 kA2.s 21 kA2.s 21 kA2.s 21 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A 63 A
	<ul> <li>at 690 V by gG fuse rated value</li> <li>let-through current with closed switch <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> </ul> </li> <li>according UL <ul> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL</li> <li>60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL</li> <li>60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> </ul></li></ul>	6 kA 6 kA 6 kA 21 kA2.s 21 kA2.s 21 kA2.s 21 kA2.s fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A 63 A 600 V 40

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rat	ted 175 A
value	
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
	6
•	14
type of connectable conductor cross-sections for coppe	r
conductor	
• solid	1x (2,535mm²)
finely stranded with core end processing	1x (2.516 mm <sup>2</sup> )
• stranded	1x (2,535mm <sup>2</sup> )
type of connectable conductor cross-sections for auxilia contacts	ary second s
• solid	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup>
• stranded	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
type of electrical connection	
• for main current circuit	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	106 mm
width	90 mm
depth	468.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
front mounting with central attachment     rail mounting	No Yes
• rail mounting net weight	624 g
Environmental conditions	624 y
ambient temperature during operation <ul> <li>minimum</li> </ul>	-25 °C
• maximum	-25 °C
ambient temperature during storage	
minimum	-25 °C
• maximum	55 °C
Approvals Certificates	
General Product Approval	
CCC EG-Konf.	UL VDE
General Product Approval Marine /	Shipping other
	Lovds <u>Confirmation</u> <u>Miscellaneous</u>
	Kegister
6116 ·	DNV LRS
Environment	
Environmental Con- Environmental Con-	
firmations firmations	

#### Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2514-0TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2514-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2514-0TK51

CAx-Online-Generator

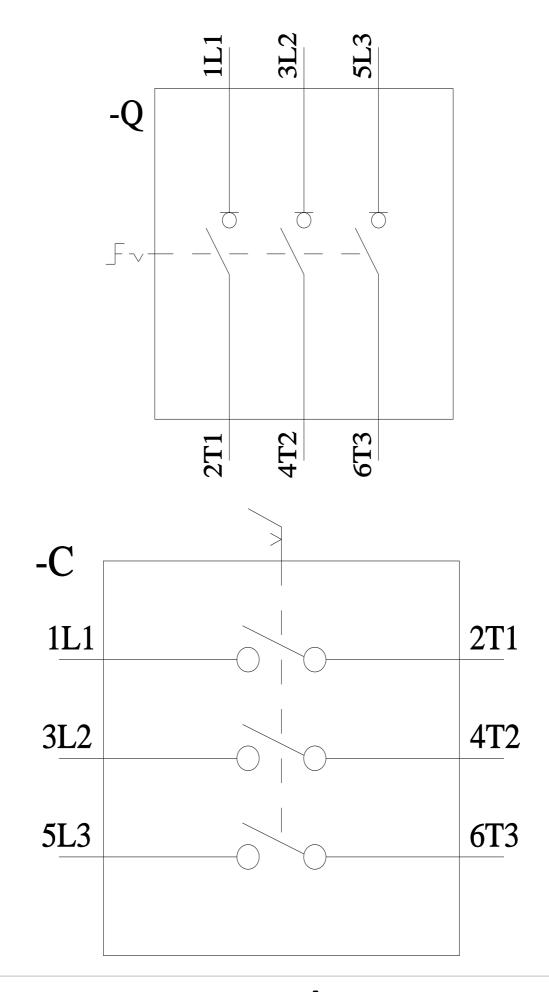
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

Tuer/ Door/ **Radebe**/ Base/ Plancher/ Puerta/ Porta**Baßer**t&avimento/ Fundo





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