## 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		
product brand name	SENTRON	
product designation	3LD 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		
<ul> <li>at AC rated value</li> </ul>	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		
<ul> <li>at AC-21 at 690 V rated value</li> </ul>	63 A	
<ul> <li>at AC-21 A at 240 V rated value</li> </ul>	63 A	
<ul> <li>at AC-21 A at 400 V rated value</li> </ul>	63 A	
<ul> <li>at AC-21 A at 440 V rated value</li> </ul>	63 A	
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	43 A	

Operating Jone <ul> <li>If AC-23 A at 400 V rated value</li> <li>If AC-23 At 400 V rated value</li> <li>If AC-2</li></ul>	operating power	
• • rt AC-33 A # 400 V refet value     22 kW       • • rt AC-33 A # 400 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     19 kW       • • rt AC-33 A # 600 V refet value     10 A       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     0       • rt AC-33 A # 600 V refet value     500 V       • rt AC-33 A # 600 V refet value     500 V       • rt AC-33 A # 600 V refet value     500 V       • rt AC-33 A # 600 V refet value     500 V       • rt AC-33 A # 600 V refet value     500 V       • refet value     Ves       • refet value     Ves       • refet value     Ves       • refet value     Ves<	operating power	11 4/1/
at AC-23 A at 440 V rated value     22 kW       at AC-33 at 430 V rated value     18 kW       at AC-3 at 400 V rated value     18 kW       at AC-3 at 630 V rated value     18 kW       at AC-3 at 630 V rated value     18 kW       at AC-3 at 630 V rated value     18 kW       at AC-3 at 630 V rated value     18 kW       at AC-3 at 630 V rated value     0       number of CO contacts for auxiliary contacts     0       oparating value of auxiliary contacts     0       oparating value of auxiliary contacts     0       oparating value of auxiliary contacts     0       runber of NC contacts for auxiliary contact stat 40 value     500 V       Sultability     500 V       Sultability     500 V       Sultability     Yes       "and new which     Yes       "and response     Yes       "analter auxoring" and the contacts for auxiliary contacts     10       attactable maximum     Yes       product detastes on contacts for auxiliary contacts     3       attactable maximum     No       number of NC contacts for auxiliary contacts     3       attactable maximum     No       number of Contacts for auxiliary contacts     5       attactable maximum     No       number of NC contacts for auxiliary contacts     5		
at AC-23 A at 680 V rated value     19 kW       at AC-3 at 400 V rated value     11 kW       at AC-3 at 600 V rated value     15 kW       Auxiliary carcoit     0       Auxiliary carcoit     0       Auxiliary carcoit     0       Auxiliary carcoit     0       Contracts for auxiliary contacts     0       number of CO contacts for auxiliary contacts     0       operating values of auxiliary contacts     0       contracts for auxiliary contacts     0       operating values of auxiliary contacts     0       stability     00 V       stability     00 V       stability     Ves       • andit obsometor     Yes       • Subability     Yes       • andito discometor     Yes       • auxiliary witch     Yes       • auxiliary witch     Yes       • auxiliary discometor     Yes		
• at AC-3 at 240 V rated value     11 kW       • at AC-3 at 690 V rated value     15 kW       Auxiliary carcait     0       number of OC contacts for auxiliary contacts     0       operating valtage of auxiliary contacts     0       operating valtage of auxiliary contact stat 40 maximum     500 V       continuous carrent of the auxiliary contact stat 40 maximum     500 V       continuous carrent of the auxiliary contact stat 40 maximum     500 V       subtability     For one       a main work h     Yes       • main work h     Yes       • work h disconnector     Yes       • auxiliary avaitch rated value     10 A       • main work h     Yes       • exately switch     Yes       • auxiliary avaitch auxiliary avaitch rated value     10 A       • auxiliary avaitch auxiliary avaitch rated value     10 A       • auxiliary avaitch auxiliary avaitch rated value     10 A       • auxiliary avaitch auxiliary avaitch rated value     10 A       • auxiliary avaitch rated va		
• at AC-3 at 400 V rated value     19 kW       • at AC-3 at 600 V rated value     15 kW       Auxiliary circuit     0       • number of XC contacts for auxiliary contacts     0       • operating voltage of auxiliary contacts     0       • operating voltage of the auxiliary contact at AC aximum continuous current of the auxiliary contact rated value     500 V       Statability     •       • subtability for use     •       • number of XC contacts for auxiliary contact rated value     500 V       • subtability for use     •       • which disconnector     Yes       • onder data re     Yes       • onder data re     >       • order data     >       • order data re     >       • order data     >       • order data     >       • order data re     >       • order data     <		
• al AC3 at 680 V rated value     15 kW       Auxiliary circuit     •       Auxiliary circuit     •       number of NC contacts for auxiliary contacts     0       oparating voltage of auxiliary contacts     0       insulation voltage of auxiliary contact star 400 voltage     500 V       Statability     •       site of the auxiliary contact star 400 voltage     500 V       Statability     •       •     •		
member 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 contacts at AC maximum         500 V           subtability         700 rule           • maintenance/repair switch         Yes           Product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position         Yes           product feature can be locked into OFF position		15 kW
number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           isulation voltage of auxiliary contacts at AC maximum         500 V           subability for use         500 V           subability for use         500 V           • anian switch         Yes           • switch disconnector         Yes           • aniation voltage of auxiliary switch         Yes           • aniation contacts at AC maximum         Yes           • awaited abconnector         Yes           • aniation contacts at auxiliary switch         Yes           • aniation contacts at auxiliary contacts         Yes           • aniation contacts at auxiliary contacts         Yes           • and advate to contacts for auxiliary contacts         3           • attactable maximum         No           • number of concatable for contacts for auxiliary contacts         5           attachable maximum         3           • attactable maximum         3           • att	Auxiliary circuit	
number of NO contacts for auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contacts at AC maximum         500 V           sublability for use         500 V           • main switch         Yes           • awain switch         Yes           • main switch         Yes           • switch disconnector         Yes           • safety switch         Yes           • safety switch         Yes           • safety switch         Yes           • maintenance/repair switch         Yes           • reduct feature can be locked into OFF position         Yes           • rondor drive         No           • rondor drive         No           • worldsge frigger         No           • unable rigger froger         No           number of connectable NC contacts for auxiliary contacts         5           number of connectable NO contacts for auxiliary contacts         5           number of bracket locks         4 8 mm           Short circuit         50 kA           Flettrough current with line-side fuse protection         6 kA           • at 600 V by g6 fuse rated value         50 kA           • at 600 V for combination switch + gG fuse maximum         6 kA           • at 600 V fo	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum         500 V           suitability         Yes           • switch disconnector         Yes           • Switch disconnector         Yes           • switch disconnector         Yes           • maintenance/repair switch         Yes           product detaile         Yes           product detaile         Yes           product detaile         No           outlot drive         No           • motor drive         No           • undor drive         No	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value     500 V       Suitability     500 V       Suitability for use     • main switch       • main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • maintenance/regult switch     Yes       • maintenance/regult switch     Yes       Product dealine     •       product dealine can be locked into OFF position     Yes       • motor drive     No       • voltage tigger     No       • unding to connectable NO contacts for auxiliary contacts     5       • attachable maximum     3       • hasp thickness of the bracket locks     4 & mm       Short circuit     5       • attachable maximum     6 kA       • at 400 V for combination switch + gG fuse maximum     6 kA       • at 400 V for combination switch + gG fuse	number of NO contacts for auxiliary contacts	0
Insulation voltage of the auxiliary switch rated value 500 V Suitability Suitability for use		500 V
Suitability         Suitability           suitability         For use           • main switch         Yes           • Switch disconnector         Yes           • EMERCENCY OFF switch         No           • safety switch         Yes           • maintenance/repair switch         Yes           Product deature can be locked into OFF position         Yes           Product deature can be locked into OFF position         Yes           excessories         product extension optional           product extension optional         No           • woltage trigger         No           number of connectable NC contacts for auxiliary contacts         3           attachable maximum         No           number of connectable NO contacts for auxiliary contacts         5           statchable maximum         3           hasp thickness of the bracket locks         4 8 mm           Short circuit         50 kA           ettrough current with loses which + 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         6 kA           et 420 V for combination switch + gG fuse maximum         6 kA           et 420 V for combination switch + gG fuse maxim	-	
suitability for use  • main switch • switch disconnector • Yes • EMERCENCY OFF switch • asafety switch • real-tensor of the operation optional • motor drive • outage trigger product extension optional • motor drive • outage trigger product extension optional • motor drive • outage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of bracket tocks maximum hasp thickness of the bracket tocks • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch +	č ;	500 V
• main switch     Yes       • switch disconnector     Yes       • EMERGENCY OF switch     No       • adety switch     Yes       • maintenance/repair switch     Yes       Product details        product feature can be locked into OFF position     Yes       eccessories        product extension optional     No       • woltage trigger     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of connectable OC contacts for auxiliary contacts     5       attachable maximum     3       number of bracket locks maximum     3       attachable maximum     3       number of bracket locks maximum     3       attachable maximum     4       number of bracket locks maximum     5       attachable maximum     4       attachable maximum     3       attachable maximum     3       attachable maximum     4       attachable maximum     5       attachable maximum     5       attachable maximum     6       attachable maximum     6<		
switch disconnector         EMERCENCY OFF switch         EMERCENCY OFF switch         Source Service         endintenance/repair switch         Yes          Product details         product deta	5	
• EMERGENCY OFF switch     No       • araintenance/repair switch     Yes       Product details        product details     Yes       product extension optional     Yes       • motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     3       number of connectable OC contacts for auxiliary contacts     5       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     4 8 mm       Short circuit     0       contacts of the bracket locks maximum     3       number of connectable CO contacts for auxiliary contacts     4 8 mm       Short circuit     50 kA       et through current with line-side fuse protection     6 kA       • at 260 V for combination switch + gG fuse maximum     6 kA       • at 440 V for combination switch + gG fuse maximum     6 kA       • at 440 V for combination switch + gG fuse maximum     6 kA       • 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 440 V for combination switch + gG fuse maximum     21 kA2.s       • at 440 V for combination switch + gG fuse maximum     21 kA2.s       • for short-circuut protection of the		
• safety switch     Yes       • maintenance/repair switch     Yes       Product data        product feature can be locked into OFF position     Yes       sccssories        product setemsion optional     No       • woltage trigger     No       • unmber of connectable NC contacts for auxiliary contacts     3       attachable maximum     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 bracket locks maximum     3       number of bracket locks     4       e at 690 V by gG tuse rated value     50 kA       letthrough current with loces de switch     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 340 V for combination switch + gG fuse maximum     21 kA2.s       • at 340 V for combination switch + gG fuse maximum     21 kA2.s       • at 340 V for combination switch + gG fuse maximum     21 kA2.s       • at 360 V for combination switch + gG fuse maximum     21 kA2.s       • at 360 V for combination switch + gG fuse maximum     21 kA2.s		
• maintenance/repair switch     Product details  product feature can be locked into OFF position      Product reatures can be locked into OFF position      Product extension optional      • motor drive     • woltage 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      number of connectable CO contacts for auxiliary contacts     attachable maximum      number of connectable COs 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      at 440 V for combination switch + gG fuse maximum      e at 480 V by gG fuse rated value     is 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      at 440 V for combination switch + gG fuse maximum      at 440 V for combination switch + gG fuse maximum      tise gL/gG: 63 A      for short-circuit protection of the auxiliary switch     required     for short-circuit protection of the auxiliary sw		
Product details         product feature can be locked into OFF position       Yes         sccessories       product extension optional         • motor drive       No         • voltage trigger       No         number of connectable NC contacts for auxiliary contacts       3         attachable maximum       1         number of connectable NC contacts for auxiliary contacts       5         attachable maximum       3         number of connectable CO contacts for auxiliary contacts       0         attachable maximum       3         number of cancetable CO contacts for auxiliary contacts       0         attachable maximum       3         number of cancetable CO contacts for auxiliary contacts       0         attachable maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       50 kA         left-through current with losed switch       6 kA         • at 440 V for combination switch + gG fuse maximum       6 kA         • at 440 V for combination switch + gG fuse maximum       6 kA         • 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 440 V for combination switch + gG fuse maximum	-	
product feature can be locked into OFF position     Yes       accessories		
accessories         product extension optional         • 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 attachable maximum       5         number of connectable CO contacts for auxiliary contacts attachable maximum       0         number of connectable CO contacts for auxiliary contacts attachable maximum       3         number of connectable CO contacts for auxiliary contacts attachable maximum       0         attachable maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       5         conditional short-circuit current with blae-side fuse protection       6 kA         e at 240 V for combination switch + gG fuse maximum permissible       6 kA         e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combin		Vec
product extension optional     No       • motor drive     No       • ovotage 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     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 bracket locks maximum     3       hasp thickness of the bracket locks     4 8 mm       Short circuit     50 kA       elet-through current with line-side fuse protection     6 kA       elt 440 V for combination switch + gG fuse maximum permissible     6 kA       elt 240 V for combination switch + gG fuse maximum permissible     6 kA       elt 440 V for combination switch + gG fuse maximum permissible     6 kA       elt 440 V for combination switch + gG fuse maximum permissible     6 kA       elt 440 V for combination switch + gG fuse maximum et at 40 v for combination switch + gG fuse maximum et at 42 s     21 kA2 s       elsity 0 V for combination switch + gG fuse maximum et at 60 kB     11 kA2 s       el rady 0 V for combination switch + gG fuse maximum et at 60 kB     11 kA2 s       el rady 0 V for combination switch + gG	· · ·	
• motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     3       attachable maximum     5       number of connectable CO contacts for auxiliary contacts     3       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 tracket locks maximum     3       hasp thickness of the bracket locks     4 8 mm       Short circuit     Conditional short-circuit current with line-side fuse protection       • at 460 V by gG fuse rated value     50 kA       let-through current with closed switch     6 kA       • at 460 V for combination switch + gG fuse maximum permissible     6 kA       121 value with closed switch     21 kA2.s       • at 240 V for combination switch + gG fuse maximum et at QV for combination switch + gG fuse maximum et at AQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse maximum et at kQU V for combination switch + gG fuse		
• 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 connectable CO contacts for auxiliary contacts attachable maximum         0           number of connectable CO 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         3           number of connectable NO contacts for auxiliary contacts attachable maximum         3           number of connectable NO contacts for auxiliary contacts attachable maximum         3           number of connectable NO contacts for auxiliary contacts attachable maximum         3           number of connectable NO contacts for auxiliary contacts attachable maximum         3           e at 690 V by gG fuse rated value         50 kA           e at 400 V for combination switch + gG fuse maximum         6 kA           e at 400 V for combination switch + gG fuse maximum         21 kA2.s           e at 400 V for combination switch + gG fuse maximum         21 kA2.s           e at 690 V for combination switch + gG fuse maximum         21 kA2.s		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 connectable CO contacts for auxiliary contacts attachable maximum       3         number of bracket locks maximum       3         hasp thickness of the bracket locks       4 8 mm         Short circuit       50 kA         conditional short-circuit current with line-side fuse protection       50 kA         et 4600 V by gG fuse rated value       50 kA         et 420 V for combination switch + gG fuse maximum eminisible       6 kA         121 value with closed switch       6 kA         et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et		
attachable maximum       5         number of connectable NO 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 690 V by gG fuse rated value       50 kA         let-through current with closed switch       6 kA         e at 440 V for combination switch + gG fuse maximum       6 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 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 900 V for combination switch + gG fuse maximum       21 kA2.s         e at 690 V for combination switch + gG fuse maximum       21 kA2.s         e fuse low k       fuse gL/gG: 63 A         required       6 sA         or short-circuit protection of the		
attachable maximum       0         number of connectable CO contacts for auxiliary contacts       0         attachable 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         I et through current with closed switch       6 kA         • at 440 V for combination switch + gG fuse maximum permissible       6 kA         1 at 440 V for combination switch + gG fuse maximum permissible       6 kA         • at 440 V for combination switch + gG fuse maximum permissible       21 kA2.s         1 at 440 V for combination switch + gG fuse maximum permissible       21 kA2.s         • at 440 V for combination switch + gG fuse maximum et at 0 v for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 800 V for combination switch + gG fuse maximum et at k02.s       21 kA2.s         • at 690 V for combination switch + gG fuse maximum et at k02.s       21 kA2.s         • design of the fuse link       6 fuse maximum et at 0 ka coording to UL 508/UL 60947-4         • for short-circuit protection of the auxiliary switch required       63 A         according UL       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4       63 A         4-1 rated value       600 V		
number of connectable CO contacts for auxiliary contacts attachable maximum       0         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 permissible       6 kA         !21 Value with closed switch       21 kA2.s         • at 440 V for combination switch + gG fuse maximum permissible       21 kA2.s         !21 value with closed switch       21 kA2.s         • at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum frequired       21 kA2.s         • for short-circuit protection of the main circuit required       fuse gL/gG: 63 A         • for short-circuit protection of the auxiliary switch required       63 A         • according UL       600 V         • operational current at AC according to UL 508/UL 60947 4-1 rated value       63 A         • doe V       600 V         • obsolvL 60947-4-1 rated value       600 V         • operational current at AC at 480 V according to UL 508/UL 600 V		5
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 permissible       6 kA         12t value with closed switch       6 kA         • at 240 V for combination switch + gG fuse maximum permissible       6 kA         12t value with closed switch       6 kA         • at 240 V for combination switch + gG fuse maximum permissible       71 kA2.s         12t value with closed switch       50 kA         • at 240 V for combination switch + gG fuse maximum 21 kA2.s       21 kA2.s         • at 440 V for combination switch + gG fuse maximum 21 kA2.s       50 kA         • at 690 V for combination switch + gG fuse maximum 21 kA2.s       50 kA         • at 690 V for combination switch + gG fuse maximum 21 kA2.s       50 kB         • at 690 V for combination switch + gG fuse maximum 21 kA2.s       50 kB         • of short-circuit protection of the main circuit required       fuse gL/gG: 63 A         • for short-circuit protection of the auxiliary switch required       63 A         • poerational current at AC according to UL 508/UL 60947- 41 rated value       63 A         operational current at AC at 408 V according to	number of connectable CO contacts for auxiliary contacts	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       6 kA         i at 400 V for combination switch + gG fuse maximum permissible       6 kA         i at 440 V for combination switch + gG fuse maximum permissible       6 kA         i at 440 V for combination switch + gG fuse maximum permissible       21 kA2.s         i at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum i at 440 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum i at 690 V for combination switch + gG fuse maximum e for short-circuit protection of the main circuit required operational current of upstream fuse rated value       fuse gL/gG: 63 A         according UL       63 A       63 A         according UL       600 V         operational current at AC according to UL 508/UL 60947- 4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 600 V       63 A	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection       6         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       6         e at 240 V for combination switch + gG fuse maximum permissible       6 kA         12t value with closed switch       6 kA         e at 240 V for combination switch + gG fuse maximum permissible       6 kA         12t value with closed switch       21 kA2.s         e at 240 V for combination switch + gG fuse maximum permissible       21 kA2.s         12t value with closed switch       21 kA2.s         e at 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 420 V for combination switch + gG fuse maximum et at 690 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V for combination switch + gG fuse maximum et at 600 V socording to UL 508/UL 60947-4-1 rated value for short-circuit protection of the auxiliary switch required       61 kA         operational current at AC according to UL 508/UL 60947-4-1 rated value       63 A         according UL       600 V         508/UL 60947-4-1 rated value       600 V         cover hp1 at AC at 400 V according to UL 508/UL 600 V       600 V <td>•</td> <td>4 8 mm</td>	•	4 8 mm
protectionat 690 V by gG fuse rated value50 kAlet-through current with closed switch6 kA• at 240 V for combination switch + gG fuse maximum6 kA• at 440 V for combination switch + gG fuse maximum6 kA• at 690 V for combination switch + gG fuse maximum6 kA• 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 440 V for combination switch + gG fuse maximum21 kA2.s• at 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• of or short-circuit protection of the main circuitfuse gL/gG: 63 Arequired• for short-circuit protection of the auxiliary switch• operational current of upstream fuse rated value63 Aaccording UL600 Voperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value• active power (hp] at AC at 480 V according to UL 508/UL600 V500 VL500		
• at 690 V by gG fuse rated value50 kAlet-through current with closed switch6 kA• at 240 V for combination switch + gG fuse maximum6 kA• at 440 V for combination switch + gG fuse maximum6 kA• 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 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 640 V for combination switch + gG fuse maximum21 kA2.s• at 640 V for combination switch + gG fuse maximum21 kA2.s• design of the fuse link6 ks• for short-circuit protection of the auxiliary switchfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switchfuse gL/gG: 10 A• according UL63 Aaccording UL63 Aoperational current at AC according to UL 508/UL 60947- 4-1 rated value63 A• oprational current 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 value40active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value50		
let-through current with closed switch6 kA• at 240 V for combination switch + gG fuse maximum6 kA• at 440 V for combination switch + gG fuse maximum6 kA• at 690 V for combination switch + gG fuse maximum6 kA• 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 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• at 690 V for combination switch + gG fuse maximum1 ka2.s• for short-circuit protection of the main circuitfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switchfuse gL/gG: 10 A• according UL600 V• operational current of upstream fuse rated value63 A• operating voltage at AC at 50/60 Hz according to UL 508/UL600 V• 508/UL 60947-4-1 rated value40• active power [hp] at AC at 480 V according to UL 508/UL	•	50 kA
<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 680 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be 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 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>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>composition of the sus link</li> <li>be at 690 V for combination switch + gG fuse maximum</li> <li>fuse gL/gG: 63 A</li> <li>fuse gL/gG: 10 A</li> <li></li></ul>		
<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>I2t 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 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>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse maximum</li> <li>ba 690 V for combination switch + gG fuse gL/gG: 63 A</li> </ul> </li> <li>according UL         <ul> <li>operational current at AC according to UL 508/UL 60947-</li></ul></li></ul>		6 kA
permissible         I2t value with closed switch         • 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         design of the fuse link       21 kA2.s         • 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 of upstream fuse rated value       63 A         according UL       63 A         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-       63 A         4-1 rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-       63 A         active power [hp] at AC at 480 V according to UL 508/UL 60947-       40         active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value       600 V         active power [hp] at AC at 600 V according to UL 508/UL 609       50	<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	6 kA
<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 690 V for combination switch + gG fuse maximum</li> <li>21 kA2.s</li> <li>22 kA2.s</li> <li>23 kA2.s</li> <li>24 kA2.s</li> <li>25 kA2.s</li> <li>26 kA2.s</li> <li>27 kA2.s</li> <li>28 kA2.s</li></ul>		6 kA
<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>21 kA2.s</li></ul>	I2t value with closed switch	
<ul> <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</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>63 A</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947- 4-1 rated value</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> <li>50</li> </ul>		
design of the fuse linkfuse gL/gG: 63 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording UL63 Aoperational current at AC according to UL 508/UL 60947- 4-1 rated value63 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 value40active power [hp] at AC at 600 V according to UL 508/UL 609 V50	-	
<ul> <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> <li>63 A</li> </ul> according UL operational current at AC according to UL 508/UL 60947- 4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947- 4-1 rated value 600 V 600 V 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 40 600 V 508/UL 60947-4-1 rated value 50		21 kA2.s
requiredfor short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording UL63 Aoperational current at AC according to UL 508/UL 60947- 4-1 rated value63 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 value40active power [hp] at AC at 600 V according to UL 508/UL 508/UL50	-	
required       operational current of upstream fuse rated value       63 A         according UL       operational current at AC according to UL 508/UL 60947- 4-1 rated value       63 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       40         active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value       50	required	
according UL         operational current at AC according to UL 508/UL 60947- 4-1 rated value       63 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       40         active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value       50		fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947- 4-1 rated value63 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 value40active power [hp] at AC at 600 V according to UL 508/UL 508/UL50	operational current of upstream fuse rated value	63 A
4-1 rated value600 Voperating 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 value40active power [hp] at AC at 600 V according to UL 508/UL 5050	according UL	
operating voltage at AC at 50/60 Hz according to UL600 V508/UL 60947-4-1 rated value40active power [hp] at AC at 480 V according to UL 508/UL4060947-4-1 rated value50		63 A
60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 50	operating voltage at AC at 50/60 Hz according to UL	600 V
	active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	40
	active power [hp] at AC at 600 V according to UL 508/UL	50

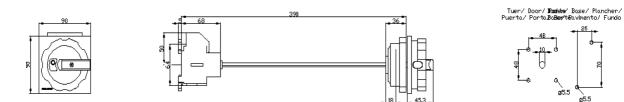
short-time withstand current (SCCR) at 600 V according to	5 kA		
UL 508/UL 60947-4-1	5 MA		
continuous current of upstream fuse according to UL rated value	175 A		
type of fuse according to UL	RK5		
Connections			
AWG number as coded connectable conductor cross section solid			
• maximum	6		
• minimum	14		
type of connectable conductor cross-sections for copper conductor			
• solid	1x (2,535mm²)		
<ul> <li>finely stranded with core end processing</li> <li>stranded</li> </ul>	1x (2.516 mm²) 1x (2,535mm²)		
type of connectable conductor cross-sections for auxiliary contacts			
• 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> )		
<ul> <li>finely stranded with core end processing</li> </ul>	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 <ul> <li>4-hole front mounting</li> </ul>	Yes		
<ul> <li>front mounting with central attachment</li> </ul>	No		
rail mounting	Yes		
net weight	624 g		
Environmental conditions			
ambient temperature during operation			
• minimum	-25 °C		
• maximum	55 °C		
ambient temperature during storage			
• minimum	-25 °C		
maximum	55 °C		
General Product Approval			
Confirmation CSA	Miscellaneous		
General Product Approval Declaration of Conformity	Test Certificates Marine / Shipping		
	Special Test Certific- ate Hoyds US		
other Environment	t		



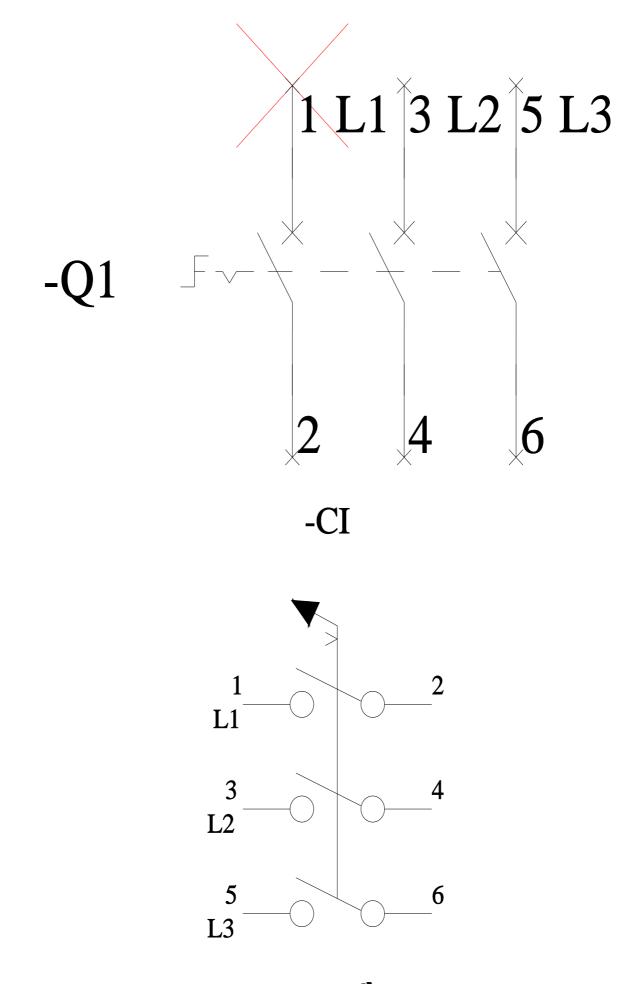
Further	

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). 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** 

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