# SIEMENS

### Data sheet

## 3LD2054-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, front-mounted, rotary operating mechanism, black, central mounting 22.5 mm 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	front mounted
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	1
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	0.5 W
Main circuit	
operational current	
<ul> <li>at AC-21 at 690 V rated value</li> </ul>	16 A
<ul> <li>at AC-21 A at 240 V rated value</li> </ul>	16 A
<ul> <li>at AC-21 A at 400 V rated value</li> </ul>	16 A
<ul> <li>at AC-21 A at 440 V rated value</li> </ul>	16 A
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	16 A

Uperating Jone <ul> <li>IN AC23 A #400 V rated value</li> <li>IN AC23 A #400 V rated value&lt;</li></ul>	aparating power	
• At AC-23 A # 400 V refet value     8 kW       • At AC-23 A # 400 V refet value     7.5 kW       • At AC-23 A # 600 V refet value     8 kW       • At AC-23 A # 600 V refet value     8 kW       • At AC-23 # 400 V refet value     5.5 kW       Auxiliary circuit     6 kW       number of CC contacts for auxiliary contacts     0       number of CC contacts for auxiliary contacts     0       operating values of auxiliary contacts at AC maximum contacts     500 V       Suitability     500 V       suitability for use     500 V       • attain suice     Yes       • suitability for use     Yes       • suitability for use     Yes       • attain suice     Yes       • attain suice     Yes       • contact for auxiliary contact for auxiliary contacts     Yes       • attain suice     Yes       • attain suice     Yes       • attain suice     Yes       • attain suice     No       • attain suice     No </td <td>operating power</td> <td>4 kW</td>	operating power	4 kW
at AC23 A at 440 V rated value     7.5 kW       at AC23 At 1690 V rated value     8 kW       at AC23 At 240 V rated value     8 kW       at AC23 At 600 V rated value     5.5 kW       Auxiliary carcuit     0       number of CO contacts for auxiliary contacts     0       operating value of auxiliary contact site 400 V     500 V       contacts for auxiliary contact site 400 V     500 V       contacts for auxiliary contact site 400 V     500 V       subtability for use		
• at AC-3 A at 600 V rated value     8 kW       • at AC-3 at 400 V rated value     8 kW       • at AC-3 at 400 V rated value     6 kW       • at AC-3 at 400 V rated value     5 kW       Auxiliary circuit     0       number of CO contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0       contacts for auxiliary contact at AC maximum     500 V       contacts for auxiliary contact at AC maximum     500 V       contacts for auxiliary contact at AC maximum     500 V       sublability for use     -       • main switch     Yes       • switch disconnector     Yes       • maintenance/repair switch     Yes       • collage trager     No       • contact for auxiliary contacts     2       • collage trager     No       • collage trag		
at AC-3 at AOV related value     3 kW       at AC-3 at AOV related value     5.5 kW       Auxiliary contacts for auxiliary contacts     0       number of CO contacts for auxiliary contacts     0       operating value of auxiliary contacts     0       operating value of auxiliary contacts     0       operating value of auxiliary contact sit AO maximum     500 V       continuous current of the auxiliary contact sit AO maximum     500 V       continuous current of the auxiliary contact sit AO maximum     500 V       auxitability for use     •       • main wardth     Yes       • waitch disconnector     Yes       • switch disconnector     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       • waiting waiting contacts of auxiliary contacts     2       attachable maximum     1       • unber of Oncetable No Contacts for auxiliary contacts     2       attachable maximum     3       • and to Yes     No       • attact Yes     No		
• at AC-3 at 400 V meter value     5.5 kW       Auxiliary circuit     0       Auxiliary circuit     0       Auxiliary circuit     0       Auxiliary circuit     0       Contracts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       operating values of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value     500 V       Stability     5       subtability for use     -       - main switch     Yes       - which disconnector     Yes       Product data/s     Yes       Product data/s     -       product data/s     No       - which disconnector     Yes       Product data/s     -       number of connectable NC contacts for auxiliary contacts </td <td></td> <td></td>		
• A AC3 at 680 V rated value         5.5 kW           Auxiliary critical         0           number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           continuous current of the auxiliary contact at AC and maximum         500 V           continuous current of the auxiliary contact at AC at AC         500 V           Suitability for use         9           • main switch         Yes           • switch disconnetor         Yes           • switch disconnetor         Yes           • switch disconnetor         Yes           • roduct details         Yes           product details         Yes           product details         Yes           product details         No           • roduct disting rogon         No           • runder of connectable NC contacts for auxiliary contacts         2           • runder of connectable NC contacts for auxiliary contacts         2           • runder of connectable NC contacts for auxiliary contacts         2           • runder of operating of auxiliary contacts         2           • runder of connectable NC contacts for auxiliary contacts         2           • runder o		
number of CC contacts for auxiliary contacts         0           number of KC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contact at et value         500 V           subability for use         500 V           • main switch         Yes           • wain switch         Yes           • wain switch         Yes           • wain switch         Yes           • maintenance/regain switch         Yes           • maintenance/regain switch         Yes           • motor drive         No           • collage tligger         No           • collage tligger         No           • collage tligger         No           • collage tligger         No           • motor drive         No           • collage tligger         No           • motor drive         No           • collage tligger         No           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         3           number of toronectable NC contacts for auxiliary contacts         2           attachable maximum         3           number of connectable NC contacts fo	• at AC-3 at 690 V rated value	5.5 kW
number of NC contacts for auxiliary contacts         0           operating voltage of auxiliary contacts at AC maximum         500 V           statute of the auxiliary contacts at AC maximum         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         500 V           statute of the auxiliary contact rated value         Ves           product extension optional         Yes           number of oncectable NC contacts for auxiliary contacts         2           attachable maximum         No           number of oncectable NC contacts for auxiliary contacts         2           attachable maximum         3           attachable maximum         3           attachable maximum         3           attachable maximum         3 KA           attachable maximum         3 KA           attachable maximum         3 KA           attactable for combination switch + gG	Auxiliary circuit	
number of NO contacts for auxiliary contacts at AC maximum         600 V           outnitudes current of the auxiliary contact rated value         500 V           sublability for use         500 V           • main witch         Yes           • main witch         Yes           • switch disconnector         Yes           • switch disconnector         Yes           • main witch         Yes           • maintenance/regains witch         Yes           • maintenance/regains witch         Yes           • maintenance/regains witch         Yes           • maintenance/regains witch         Yes           • motor drive         No           • motor drive         No           • woltage rigger         No           • motor drive         No           • woltage rigger         No           number of connectable NC contacts for auxiliary contacts         2           rutachable maximum         3           number of the bracket locks         4 8 mm           Short circuit         3 kA           et 800 V by g6 fuse rated value         50 k/A           leithrough current with line-side fuse maximum         3 kA           • at 240 V for combination switch + g6 fuse maximum         3 kA	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum         500 V           Suttability         500 V           Suttability         500 V           Suttability for use         900 V           • main switch         Yes           • switch disconnetor         Yes           • switch disconnetor         Yes           • switch disconnetor         Yes           • switch disconnetor         Yes           • mainternance/repair switch         Yes           product device can be locked into OFF position         Yes           product device an be locked into OFF position         Yes           encode textension optional         No           • modor drive         No           • under of connectable NC contacts for auxiliary contacts         2           attachable maximum         3           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         3           hest protectable NC contacts for auxiliary contacts         1           attachable maximum         3           hest protectable         0           • attack V for combination switch + gG fuse maximum         3           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for co	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     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • main switch     Yes       • maintenance/repair switch     Yes       • maintenance/repair switch     Yes       Product default     -       product default     -       product feature can be locked into OFF position     Yes       sccssorise     -       product default     -       product default     -       • notor drive     No       • notor drive     No       • unalities tigger     No       • unalities tigger     No       • unalities optimizer     No       • unalities tigger     No       • unalities to favo     No       • unalities to favo     2       • unalities to favo     No       • unalities optimizer     No       • unalities of the auxiliary contacts     2       • attachable maximum     3       • hasp thickness of the bracket locks maximum     3       • attachable maximum     3       • attachable maximum     3       • attachable maximum <t< td=""><td>number of NO contacts for auxiliary contacts</td><td>0</td></t<>	number of NO contacts for auxiliary contacts	0
Insulation voltage of the auxiliary switch rated value 500 V Suitability Suitability Suitability Suitability for use  I main switch Switch disconnector I Yes I main switch I Second details I Yes I main switch I Yes I The second details I Yes I Y		500 V
Suitability	-	
suitability for use  • main switch • switch disconnector • Yes • EMERGENCY OFF switch • asafety switch • asafety switch • asafety switch • asafety switch • real-tenance/repair switch Yes <b>Product details</b> product feature can be locked into OFF position Yes <b>roduct details</b> product feature can be locked into OFF position Yes <b>roduct details</b> product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks attachable maximum hasp thickness of the bracket locks <b>1 3 4 4 5 1 5 1 5 1 5 1 5 1 1 5 1 1 1 1 1 1 1 1 1 1</b>		500 V
• main switch     Yes       • switch disconnector     Yes       • EMERGENCY OF F switch     No       • safety switch     Yes       • maintenance/repair switch     Yes       Product details     Product feature can be locked into OFF position     Yes       Product details     No       product extension optional     •       • notor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       number of connectable CO contacts for auxiliary contacts     2       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     4 & mm       Short circuit     0       contacts lor auxiliary contacts     4 & mm       Short circuit     50 kA       ettrough current with line-side fuse protection     3 kA       • at 630 V by gG fuse rated value     50 kA       ettrough current with closed switch     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA2       • at 440 V for combination switch + gG fuse maximum     3 kA2       • at 440 V for combination switch + gG fuse maximum     3 kA2       • at 440 V for combination switch + gG fuse maximum     3 kA2       • at 440 V for combination switch + gG fu		
	5	
• EMERGENCY OFF switch     No       • safety switch     Yes       product details     yes       product details     yes       product extension optional     No       • wortage trigger     No       • wortage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     4 8 mm       Stort circuit     0       connectable CO contacts for auxiliary contacts     4 8 mm       Stort circuit     0       contitional stort-circuit current with line-side fuse protection     4 8 mm       eta 690 V by gG fuse rated value     50 kA       let-through current with closed switch     3 kA       eta 440 V for combination switch + gG fuse maximum     3 kA       eta 440 V for combination switch + gG fuse maximum     3 kA2       eta 440 V for combination switch + gG fuse maximum     3 kA2       eta 440 V for combination switch + gG fuse maximum     3 kA2       eta 440 V for combination switch + gG fuse maximum     3 kA2       eta 440 V for combination switch + gG fuse maximum     3 kA2       eta 440 V for combination switch + gG fuse maximum     3 kA2		
Safety switch Yes     maintenance/repair switch Yes     maintenance/repair switch Yes     product deals     product feature can be locked into OFF position Yes     eccessories     product setemsion optional         • motor drive No         • voltage trigger No         • under of connectable NC contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of bracket locks maximum     aution of the tracket locks     attachable maximum     aution of the tracket locks     attachable maximum     at 6800 V by G fuse rated value     bettrough combination switch + gG fuse maximum     at 680 V for combination switch + gG f		
Product details       product feature can be locked into OFF position       Yes         accessories       product extension optional       No         • notor drive       No       No         • orlage trigger       No       No         number of connectable NC contacts for auxiliary contacts       2       2         attachable maximum       number of connectable NC contacts for auxiliary contacts       2         attachable maximum       0       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         attachable maximum       3         number of connectable CO contacts for auxiliary contacts       0         attachable maximum       3         number of connectable CO contacts for auxiliary contacts       1         endendust short-circuit current with line-side fuse protection       3 KA         eit 40 V for combination switch + gG fuse maximum       3 kA         eit 420 V for combination switch + gG fuse maximum       3 kA2         eit 420 V for combination switch + gG fuse maximum       2.5 kA2.s		
product feature can be tocked into OFF position         Yes           product extension optional         •           • notor drive         •           • voltage trigger         No           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         2           number of connectable NC contacts for auxiliary contacts         2           attachable maximum         3           number of connectable CO contacts for auxiliary contacts         0           attachable maximum         3           number of tornectable CO contacts for auxiliary contacts         0           attachable maximum         3           hasp thickness of the bracket locks         4 8 mm           Short arccuit         50 kA           el tel-through current with line-side fuse protection         50 kA           el tel-through current with closed switch         3 kA           el tel-through current with closed switch         3 kA           el tel-through combination switch + gG fuse maximum         3 kA           el tel-through combination switch + gG fuse maximum         3 kA2.s           el tel-through combination switch + gG fuse maximum         3 kA2.s           el tel-through current with closed switch         2.5 kA2.s           el tel-through current		
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 tacket locks maximum       asp thickness of the bracket locks       Short circuit       conditional short-circuit current with bline-side fuse protection       • at 800 V by gG fuse rated value       let-through current with closed switch       • at 240 V for combination switch + gG fuse maximum       permissible       I2t value with closed switch       • at 440 V for combination switch + gG fuse maximum       • at 440 V for combination switch + gG fuse maximum       • at 690 V for combination switch + gG fuse maximum       • at 690 V for combination switch + gG fuse maximum       • at 690 V for combination switch + gG fuse maximum       • at 690 V for combination switch + gG fuse maximum       • at 690 V for combination switch + gG fuse maximum       • at 690 V for		Yes
product extension optional     No       • motor drive     No       • ordage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       attachable maximum     2       attachable maximum     3       number of connectable NC contacts for auxiliary contacts     2       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 closed switch     4 8 mm       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 240 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA       • at 440 V for combination switch + gG fuse maximum     3 kA2.s       • at 440 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 440 V for combination switch + gG fuse maximum     3 kA2.s       • at 440 V for combination switch + gG fuse maximum     3 kA2.s       • at 440 V for combination switch + gG fuse maximum     3 kA2.s       • at 690 V tor		
• motor drive     No       • voltage trigger     No       number of connectable NC contacts for auxiliary contacts     2       attachable maximum     2       number of connectable CO contacts for auxiliary contacts     2       attachable maximum     3       number of connectable CO contacts for auxiliary contacts     0       attachable maximum     3       number of the 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 460 V by gG fuse rated value     50 kA       let-through current with closed switch     3 kA       • at 460 V for combination switch + gG fuse maximum     3 kA       • at 460 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 240 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 440 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 440 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 440 V for combination switch + gG fuse maximum     2.5 kA2.s       • at 440 V for combination switch + gG fuse maximum     2.5 kA2.s       • for short-circuit protection of the main circuit required     fuse gL/gG: 20 A       required     90 k     fuse gL/gG: 20 A       required     60 k     600 V		
• voltage trigger         No           number of connectable NC contacts for auxiliary contacts attachable maximum         2           number of connectable NO contacts for auxiliary contacts attachable maximum         2           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         3           number of tracket locks maximum         3           hasp thickness of the bracket locks         4 8 mm           Short circuit         50 kA           iet-through current with line-side fuse protection         3 kA           • at 680 V by gG fuse rated value         50 kA           iet-through current with closed switch         4 G fuse maximum           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maximum         3 kA           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 440 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 490 V for combination switch + gG fuse maximum         2.5 kA2.s           • at 690 V for combination s		No
number of connectable NC contacts for auxiliary contacts attachable maximum       2         number of connectable NC contacts for auxiliary contacts attachable maximum       2         number of connectable CO contacts for auxiliary contacts attachable maximum       2         number of connectable CO contacts for auxiliary contacts attachable maximum       3         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 460 V by gG fuse rated value       50 kA         et 420 V for combination switch + gG fuse maximum permissible       3 kA         it 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 4690 V for combination switch + gG fuse maximum et 4690 V for combination switch + gG fuse maximum et 4690 V for combination switch + gG fuse maximum et 4690 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 400 V for combination switch + gG fuse maximum et 40		
attachable maximum number of connectable NO 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 bracket locks maximum attachable maximum number of bracket locks maximum attachable maximum attachable maximum number of bracket locks maximum attachable maximum attachable maximum number of bracket locks maximum attachable maximum attachable maximum attachable maximum number of bracket locks maximum attachable maximum attachable maximum attachable maximum attachable maximum number of bracket locks maximum attachable brain switch + gG fuse maximum attachable of the main circuit for short-circuit protection of the maximum attachable according to UL 508/UL 60947- 4-1 rated value active power [ho] at AC at 480 V according to UL 508/UL 0047-4-1 rated value attive power [ho] at AC at 600 V according to UL 508/UL 0047-4-1 rated value attive power [ho] at AC at 600 V according to UL 508/UL 0047-4-1 rated value attive power [ho] at AC at 600 V according to UL 508/UL 10		
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         let-through current with closed switch       50 kA         • at 440 V for combination switch + gG fuse maximum permissible       3 kA         • at 440 V for combination switch + gG fuse maximum permissible       3 kA         • at 440 V for combination switch + gG fuse maximum permissible       3 kA         • at 440 V for combination switch + gG fuse maximum permissible       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • at 440 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • at 440 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • at 440 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • at 690 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • at 440 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • at 440 V for combination switch + gG fuse maximum stA2.s       3 kA2.s         • for short-circuit protection of the main circuit required oreparticui		
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       3 kA         • at 240 V for combination switch + gG fuse maximum       3 kA         • at 640 V for combination switch + gG fuse maximum       3 kA         • at 640 V for combination switch + gG fuse maximum       3 kA         • at 240 V for combination switch + gG fuse maximum       3 kA         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         12t value with closed switch       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 440 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       2.5 kA2.s         • at 690 V for combination switch + gG fuse maximum       2.5 kA2.s         • for short-circuit protection of the main circuit required       fuse gL/gG: 20 A         required       for short-circuit protection of the auxiliary switch required         operational current of upstream fuse rated		2
hasp thickness of the bracket locks       4 8 mm         Short circuit         conditional short-circuit current with line-side fuse protection       50 kA         e at 690 V by gG fuse rated value       50 kA         let-through current with closed switch       3 kA         e at 240 V for combination switch + gG fuse maximum permissible       3 kA         l2t value with closed switch       3 kA         e at 440 V for combination switch + gG fuse maximum permissible       3 kA         l2t value with closed switch       2.5 kA2.s         e at 440 V for combination switch + gG fuse maximum permissible       2.5 kA2.s         l2t value with closed switch       4 use gL/gG: 20 A         e ds90 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 690 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 690 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 90 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 90 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 90 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 90 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e at 90 V for combination switch + gG fuse maximum as kA2.s       5 kA2.s         e for	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       3 kA         i at 240 V for combination switch + gG fuse maximum permissible       3 kA         i at 240 V for combination switch + gG fuse maximum permissible       3 kA         i at 240 V for combination switch + gG fuse maximum permissible       2.5 kA2.s         i at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum i at 490 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum i at 690 V for combination fuse maximum i at 690 V for combination fuse maximum i at 690 V for combinatic	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       3         e at 240 V for combination switch + gG fuse maximum permissible       3 kA         12t value with closed switch       3         e at 440 V for combination switch + gG fuse maximum permissible       2.5 kA2.s         12t value with closed switch       2.5 kA2.s         e at 440 V for combination switch + gG fuse maximum permissible       3 kA         12t value with closed switch       2.5 kA2.s         e at 440 V for combination switch + gG fuse maximum skA2.s       4.6 g00 V for combination switch + gG fuse maximum skA2.s         design of the fuse link       1 fuse gL/gG: 20 A         e for short-circuit protection of the main circuit required       fuse gL/gG: 10 A         operational current at AC according to UL 508/UL 60947-       16 A         4-1 rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-       16 A         4-1 rated value       600 V         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-       16 A         4-1 rated value       7.5         operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V       7.5         600 V       508/UL 60947-4-1 rate	•	4 8 mm
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<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>I2t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum 2.5 kA2.s</li> <li>at 440 V for combination switch + gG fuse maximum 2.5 kA2.s</li> <li>at 690 V for combination switch + gG fuse maximum 3 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>operational current of upstream fuse rated value</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 600 V</li> <li>508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> <li>active power [hp] at AC at 600 V according to UL 508/UL</li> </ul>		3 kA
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<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>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>c for short-circuit protection of the main circuit required</li> <li>f for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>cording UL</li> <li>operational current at AC 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>active power [hp] at AC at 600 V according to UL 508/UL</li> <li>to be according to UL 508/UL</li> </ul>		3 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>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b at 690 V for combination switch + gG fuse maximum</li> <li>b for short-circuit protection of the main circuit required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>b for short-circuit protection of the auxiliary switch required</li> <li>c for short-circuit protection of the aux</li></ul>	I2t value with closed switch	
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60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 10	operating voltage at AC at 50/60 Hz according to UL	600 V
		7.5
	active power [hp] at AC at 600 V according to UL 508/UL	10

short-time withstand current (SCCR) at 600 V according to	5 kA
UL 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated	50 A
value	
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid	
• maximum	10
• minimum	18
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16mm²)
<ul> <li>finely stranded with core end processing</li> <li>stranded</li> </ul>	1x (14mm²) 1x (16mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 1.5 mm²), 1x 2.5 mm²
• stranded	2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	84 mm
width	67 mm
depth	116.5 mm
type of device	fixed mounting
fastening method fastening method	Built-in unit fixed-mounted version
4-hole front mounting	No
<ul> <li>front mounting with central attachment</li> </ul>	Yes
rail mounting	No
net weight	208 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	
O a a firm a time	
Confirmation	Miscellaneous
CSA CCC	UL VDE
General Product Declaration of Conformity	Test Certificates Marine / Shipping
General Product Approval Declaration of Conformity	Test Certificates Marine / Shipping
Approval Declaration of Conformity	
Approval Declaration of Conformity	Special Test Certific- ate
	Special Test Certific- ate Register
Approval Declaration of Conformity	Special Test Certific- ate
	Special Test Certific- ate Register
Approval Declaration of Conformity	Special Test Certific- ate Hovds URS
	Special Test Certific- ate Hovds URS
Approval     Declaration of Conformity       Line     Line       Line     Line       Other     Environment	Special Test Certific- ate Lovds URS
Approval Declaration of Conformity	Special Test Certific- ate Lowds Uss
Approval     Declaration of Conformity       Line     Line       Image: Confirmation of Conformity       Approval       Image: Confirmation of Conformity	Special Test Certific- ate Lowds Uss

#### Further information

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=3LD2054-0TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD2054-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

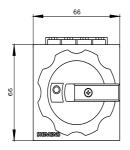
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2054-0TK51

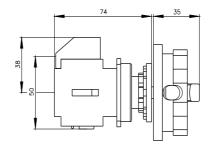
#### CAx-Online-Generator

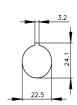
http://www.siemens.com/cax

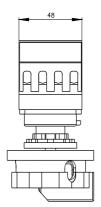
Tender specifications

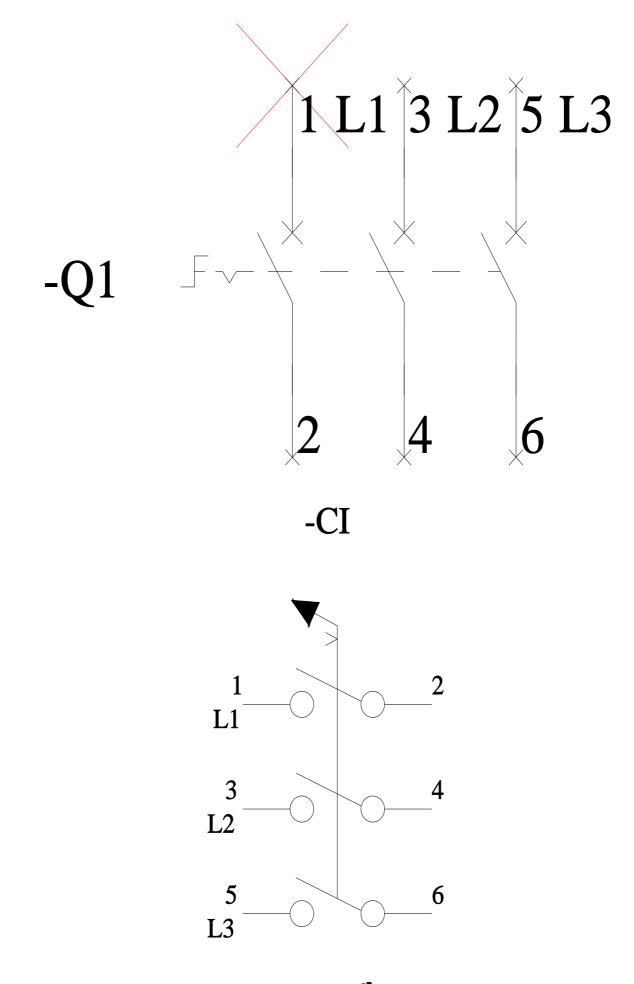
http://www.siemens.com/specifications











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