## SIEMENS

## Data sheet

## 3LD2054-1TP51



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, 1 NC, 1 NO, rotary operating mechanism, black, Central mounting 22.5 mm of the handle

product brand name         SENTRON           product designation         3LD Switch disconnector           design of the product         Main switch           display version / for switch position indicator manual operation         10N - 0 OFF           type of switch         front mounted           color / of the actuating element         black           design of the actuating element         black           color / of the actuating element         black           design of handle         rotary operating mechanism, black           type of the driving mechanism / motor drive         No           Ceneral technical data	Model		
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       size of switch disconnector     1       mechanical service life (switching cycles) / typical     100 000       electrical endurance (switching cycles)     6 000       operating frequency / maximum     50 1/h       degree of pollution     3       Voltage     6 800 V       operating voltage resistance / rated value     690 V       operating requency / maximum     60 Hz       operating requency / rated value     6 kV       operating requency / rated value     600 V       operating frequency / rated value     600 V       operating requency / rated value     600 V       operating requency / rated value     600 V       operating frequency / rated value     60 V       operating requency / rated value     60 Hz       Protection class IP     IP65       degree of protection NEMA rating     1, 3R, 4X, 12	product brand name	SENTRON	
display version / for switch position indicator manual operation       1 ON - 0 OFF         type of switch       front mounted         design of the actuating element       black         color / of the actuating element       black         design of handle       rotary operating mechanism, black         type of switch       number of poles         size of switch disconnector       1         mumber of poles       3         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       6000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       insulation voltage / rated value         operating voltage       64 kV         operating voltage       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating voltage       61 kZ         operating voltage resistance / rated value       690 V         operating voltage       61 kZ         operating voltage       60 Hz         Protection class IP <td>product designation</td> <td>3LD Switch disconnector</td>	product designation	3LD Switch disconnector	
operation         front mounted           type of switch         front mounted           design of the actuating element         black           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           number of poles         3           size of switch disconnector         1           mechanical service life (switching cycles) / typical         100 000           electrical endurance (switching cycles)         6 000           operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         finsulation voltage / rated value           operating frequency / rated value         690 V           surge voltage resistance / rated value         690 V           operating frequency / rated value         690 V           operating	design of the product	Main switch	
Justice       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         number of poles       3         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       rated value         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 V         operating voltage       6 kV         operating voltage       6 kV         operating requency / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       60 Hz         Protection class IP       1965         degree of protection NEMA rating       1, 3		1 ON - 0 OFF	
color / of the actuating element     black       design of handle     rotary operating mechanism, black       type of the driving mechanism / motor drive     No       General technical data     Inumber of poles       size of switch disconnector     1       mechanical service life (switching cycles) / typical     100 000       electrical endurance (switching cycles) / typical     6000       operating frequency / maximum     50 1/h       degree of pollution     3       Voltage     Insulation voltage / rated value       insulation voltage / rated value     690 V       operating frequency / raximum     60 Hz       operating requency / rated value     690 V       operating frequency / rated value     690 V       operating requency / rated value     690 V       operating requency / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     100 Hz       operating frequency / rated value     690 V       operating frequency / rated value     600 Hz       operating frequency / rated value     100 Hz       operation class IP     IP65       degree of protection NEMA rating     1, 3R, 4X, 12       protection class IP / on the front     IP65	type of switch	front mounted	
design of handle       rotary operating mechanism, black         type of the driving mechanism / motor drive       No         General technical data       number of poles         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       64 KV         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on th	design of the actuating element	Short rotary knob	
type of the driving mechanism / motor drive       No         General technical data       1         number of poles       3         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating frequency / maximum       60 V         operating voltage resistance / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation	color / of the actuating element	black	
General technical data         number of poles       3         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       insulation voltage / rated value         insulation voltage / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating voltage       64 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating concernent / rated value       10 A         operating state / per pole       0.5 W <td>design of handle</td> <td>rotary operating mechanism, black</td>	design of handle	rotary operating mechanism, black	
number of poles       3         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating requency / rated value       690 V         operating voltage       6 kV         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       10 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP	type of the driving mechanism / motor drive	No	
size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / maximum       600 V         operating to voltage       64V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       0.5 W         poreational current / rated value       0.5 W         operational current / rated value	General technical data		
mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       insulation voltage / rated value         insulation voltage / rated value       690 V         operating requency / maximum       6 kV         operating voltage       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation	number of poles	3	
electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       6 800 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       6 kV         • at AC / rated value       690 V         operating voltage       6 kV         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       600 V         operating frequency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         operational current / rated value       16 A         operational current <td>size of switch disconnector</td> <td>1</td>	size of switch disconnector	1	
• at AC-23 A / at 690 V       6 000         operating frequency / maximum       50 1/h         degree of pollution       3 <b>Yoitage</b> insulation voltage / rated value         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       60 Hz         Protection class       P         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65 <b>Dissipation</b> 0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W <b>Current</b> 0perational current / rated value       16 A <t< td=""><td>mechanical service life (switching cycles) / typical</td><td>100 000</td></t<>	mechanical service life (switching cycles) / typical	100 000	
operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         insulation voltage / rated value           insulation voltage / rated value         690 V           surge voltage resistance / rated value         690 V           operating voltage         690 V           operating requency / rated value         690 V           operating frequency / rated value         60 Hz           Protection class         IP           protection class IP         IP65           degree of protection NEMA rating         1, 3R, 4X, 12           protection class IP / on the front         IP65 <b>Dissipation</b> 0.5 W           power loss [W] / for rated value of the current / at AC / in hot operating state / per pole         0.5 W <b>Current</b> 0.5 W         0.5 W           operational current / rated value         16 A           op	electrical endurance (switching cycles)		
degree of pollution       3         Voltage       insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       operational current / rated value       16 A         operational current       16 A       16 A	• at AC-23 A / at 690 V	6 000	
Voltage         insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       operational current / rated value       16 A         • at 40 °C / rated value       16 A	operating frequency / maximum	50 1/h	
insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       1         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       16 A         operational current       16 A	degree of pollution	3	
surge voltage resistance / rated value       6 kV         operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         • maximum       60 Hz         Protection class       1, 3R, 4X, 12         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       16 A         operational current       16 A	Voltage		
operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       50 Hz         • minimum       50 Hz         • maximum       60 Hz         Protection class       1065         gree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         current       16 A         operational current       16 A	insulation voltage / rated value	690 V	
• at AC / rated value       690 V         operating frequency / rated value       50 Hz         • minimum       60 Hz         Protection class       60 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1P65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       16 A         operational current       16 A	surge voltage resistance / rated value	6 kV	
operating frequency / rated value       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         Current          operational current / rated value       16 A         operational current          • at 40 °C / rated value       16 A	operating voltage		
<ul> <li>minimum</li> <li>50 Hz</li> <li>maximum</li> <li>60 Hz</li> <li>Protection class</li> <li>protection class IP</li> <li>IP65</li> <li>degree of protection NEMA rating</li> <li>1, 3R, 4X, 12</li> <li>protection class IP / on the front</li> <li>IP65</li> <li>Dissipation</li> <li>power loss [W] / for rated value of the current / at AC / in hot operating state / per pole</li> <li>Current</li> <li>operational current / rated value</li> <li>16 A</li> <li>operational current</li> <li>• at 40 °C / rated value</li> <li>16 A</li> </ul>	<ul> <li>at AC / rated value</li> </ul>	690 V	
maximum 60 Hz      Protection class      protection class IP     IP65     degree of protection NEMA rating     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      Current     operational current / rated value     16 A      operational current         • at 40 °C / rated value         16 A	operating frequency / rated value		
Protection class         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       operational current / rated value       16 A         operational current       16 A	• minimum	50 Hz	
protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       operational current / rated value         operational current       16 A         operational current       16 A	• maximum	60 Hz	
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         Current       operational current / rated value         operational current       16 A         operational current       16 A	Protection class		
protection class IP / on the front       IP65         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       0.5 W         operational current / rated value       16 A         operational current       16 A         • at 40 °C / rated value       16 A	protection class IP	IP65	
Dissipation         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Current       operational current / rated value       16 A         operational current       16 A         • at 40 °C / rated value       16 A	degree of protection NEMA rating	1, 3R, 4X, 12	
power loss [W] / for rated value of the current / at AC / in       0.5 W         hot operating state / per pole       0.5 W         Current       0         operational current / rated value       16 A         operational current       16 A         • at 40 °C / rated value       16 A	protection class IP / on the front	IP65	
hot operating state / per pole       Current       operational current / rated value     16 A       operational current     16 A       • at 40 °C / rated value     16 A	Dissipation		
operational current / rated value     16 A       operational current     16 A       • at 40 °C / rated value     16 A	power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.5 W	
operational current       • at 40 °C / rated value       16 A	Current		
• at 40 °C / rated value 16 A	operational current / rated value	16 A	
	operational current		
• at 45 °C / rated value 16 A	• at 40 °C / rated value	16 A	
	• at 45 °C / rated value	16 A	

• at 50 °C / rated value	16 A
• at 55 °C / rated value	16 A
at AC / rated value	16 A
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
operating power	
<ul> <li>at AC-23 A / at 240 V / rated value</li> </ul>	4 kW
<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	8 kW
<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	7.5 kW
<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	8 kW
<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	3 kW
<ul> <li>at AC-3 / at 400 V / rated value</li> </ul>	6 kW
<ul> <li>at AC-3 / at 690 V / rated value</li> </ul>	5.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	1
number of NO contacts / for auxiliary contacts	1
operating voltage / of auxiliary contacts / at AC / maximum	500 V
continuous current / of the auxiliary contacts / at AC / maximum	10 A
insulation voltage / of the auxiliary switch / rated value	500 V
	500 V
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	No
safety switch	Yes
maintenance/repair switch	Yes
Product details	
Product details product feature / can be locked into OFF position	Yes
	Yes
product feature / can be locked into OFF position	Yes
product feature / can be locked into OFF position accessories	Yes
product feature / can be locked into OFF position accessories product extension / optional	
product feature / can be locked into OFF position accessories product extension / optional • motor drive	No
product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger	No No
product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts	No No
product feature / can be locked into OFF position accessories product extension / optional	No No 1
product feature / can be locked into OFF position accessories product extension / optional	No No 1 1
product feature / can be locked into OFF position  accessories  product extension / optional      motor drive      voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum	No No 1 1 0
product feature / can be locked into OFF position accessories product extension / optional	No No 1 1 0 3
product feature / can be locked into OFF position accessories product extension / optional	No No 1 1 0 3
product feature / can be locked into OFF position  accessories  product extension / optional      motor drive      voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection	No No 1 1 0 3
product feature / can be locked into OFF position  accessories  product extension / optional  motor drive voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection  attachable / by gG fuse / rated value	No No 1 1 0 3 4 8 mm
product feature / can be locked into OFF position  accessories  product extension / optional      motor drive      voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection      at 690 V / by gG fuse / rated value  let-through current / with closed switch     at 240 V / for combination switch + gG fuse /	No No 1 1 0 3 4 8 mm
product feature / can be locked into OFF position  accessories  product extension / optional      motor drive      voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection      at 690 V / by gG fuse / rated value  let-through current / with closed switch     at 240 V / for combination switch + gG fuse / maximum      at 440 V / for combination switch + gG fuse /	No No 1 1 0 3 4 8 mm
product feature / can be locked into OFF position  accessories  product extension / optional  motor drive voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection  at 690 V / by gG fuse / rated value  let-through current / with closed switch  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  bracket locks + gG fuse / maximum bracket locks + gG fuse / bracket locks + gG fuse + gG	No No 1 1 0 3 4 8 mm 50 kA 3 kA
product feature / can be locked into OFF position  accessories  product extension / optional  motor drive voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection  at 690 V / by gG fuse / rated value  let-through current / with closed switch  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  blacket locks switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  combination switch + gG fuse / maximum  blacket locket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combination  blacket switch / at 240 V / for combin	No No 1 1 0 3 4 8 mm 50 kA 3 kA 3 kA
product feature / can be locked into OFF position  accessories  product extension / optional  motor drive voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection  at 690 V / by gG fuse / rated value  let-through current / with closed switch at 240 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	No No 1 1 0 3 4 8 mm 50 kA 3 kA 3 kA 3 kA

I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	3 kA2.s
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 20 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	20 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	16 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	7.5
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	10
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA
continuous current / of upstream fuse / according to UL / rated value	50 A
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> </ul>	1x (14mm²)
• stranded	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 mm²), 1x 4 mm²
type of electrical connection	
for main current circuit	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	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	No
front mounting with central attachment     sail mounting	Yes
rail mounting	No 217 a
net weight	217 g
Environmental conditions	
ambient temperature / during operation	25 %
• minimum	-25 °C 55 °C
maximum     ambient temperature / during storage	
ambient temperature / during storage <ul> <li>minimum</li> </ul>	-25 °C
• minimum • maximum	-25°C
General Product Approval	



other

Environmental Confirmations

 Further information

 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=3LD2054-1TP51

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

 https://support.industry.siemens.com/cs/ww/en/ps/3LD2054-1TP51

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

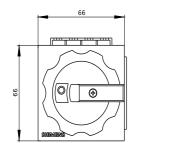
 http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2054-1TP51

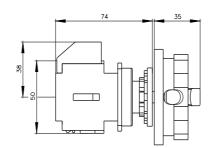
 CAx-Online-Generator

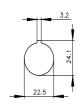
 http://www.siemens.com/cax

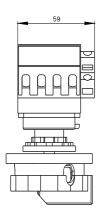
 Tender specifications

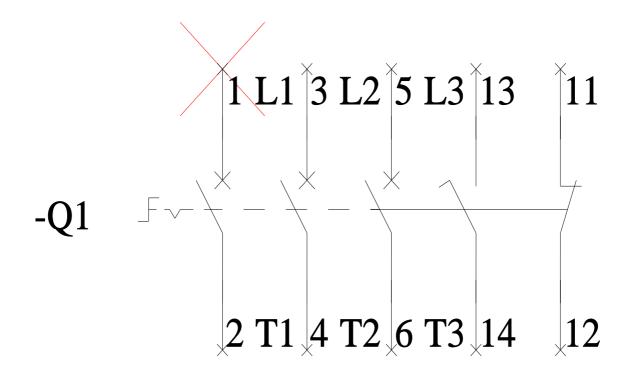
 http://www.siemens.com/specifications

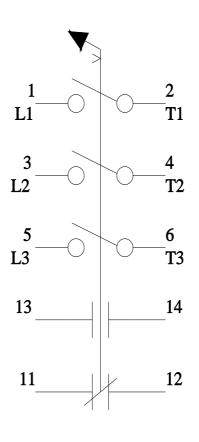












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