## SIEMENS

## Data sheet

## 3LD2003-1TP51

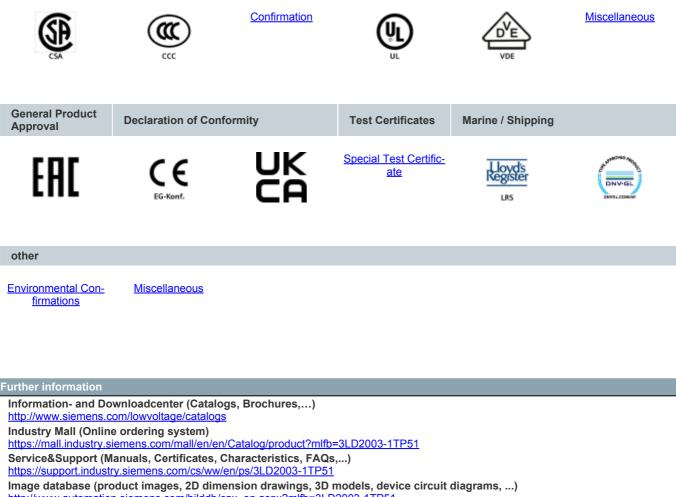


SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, front-mounted, 1 NC, 1 NO, rotary operating mechanism, black, 4-hole mounting of the handle

product brand name         SENTRON           product designation         3LD Switch disconnector           design of the product         Main switch           display version / for switch position indicator manual operation         1ON - 0 OFF           type of switch         front mounted           color / of the actualing element         Short rotary knob           color / of the actualing element         black           design of the actualing element         No           number of poles         3           size of switch disconnector         1           number of poles         3           size of switch disconnector         1           mechanical service life (switching cycles) / typical         100 000           electrical endurance (switching cycles) / typical         060 0           operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         680 V           surge voltage resistance / rated value         690 V           operating frequency / rated value         690 V           operating frequency / rated value         690 V           operating robection NULL         690 V           operating frequency / rated value         690 V           operating frequency / rated value	Model	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       surge voltage resistance / rated value     690 V       operating voltage     6 kV       operating voltage     6 800 V       operating voltage     6 90 V       operating routing voltage     6 kV       operating routing voltage     6 by V       operating routing on the front     1 P65       protection class IP     IP65       protection class IP / on the front     IP65       Dissipation     0.5 W       portedion class IP / on the front     IP65       Dissipation     0.5 W       pover loss [W] / for rat	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         design of handle       rotary operating mechanism, black         type of switch       rotary operating mechanism, black         type of the driving mechanism / motor drive       No         General technical data	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           bype of the driving mechanism / motor drive         No           General technical data	design of the product	Main switch		
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         Genoral 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       00 00         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       insulation voltage / rated value         operating frequency / rated value       680 V         surge voltage resistance / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       IP65 <td></td> <td>1 ON - 0 OFF</td>		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       Coneral technical data     Interpret 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 / rated value     600 Hz       Protection 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       insulation voltage / rated value         insulation voltage / rated value       690 V         operating frequency / maximum       60 NV         surge 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	design of the actuating element	Short rotary knob		
type of the driving mechanism / motor drive       No         General technical data	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       60 00         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating voltage resistance / rated value       690 V         operating voltage       61 V         operating voltage       680 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operation class IP       IP65         protection class IP       IP65         operational current / rated value of the current / at AC / in hot operating state / per pole       0.5 W<	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           surge voltage resistance / rated value         690 V           operating frequency / rated value         690 V           operating voltage         64V           • at AC / rated value         690 V           operating trequency / rated value         690 V           operating trequency / rated value         690 V           operating frequency / rated value         690 V           operating frequency / rated value         690 V           operating requency / rated value         690 V           operating trequency / rated value         690 V           operating requency / rated value         690 V           operating trequency / rated value         690 V           operating state / per pole         IP65           Dissipation         IP65           Dissipation         0.5 W           operational curre	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 / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       600 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       16 A	General technical data	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       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating voltage       690 V         • at AC / 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         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       16 A         operational c	number of poles	3		
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 voltage       6 kV         operating voltage       6 kV         operating requency / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       600 V         operating frequency / rated value       100 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         operati	size of switch disconnector	1		
• at AC-23 A / at 690 V       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 voltage       64V         • at AC / rated value       690 V         operating requency / 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         Dissipation       0.5 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole         operational current / rated value       16 A <td>mechanical service life (switching cycles) / typical</td> <td>100 000</td>	mechanical service life (switching cycles) / typical	100 000		
operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         insulation voltage / rated value         690 V           surge voltage resistance / rated value         690 V           operating voltage         6           • at AC / 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           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         0.5 W           operational current / rated value         16 A           <	electrical endurance (switching cycles)			
degree of pollution       3         Voltage       insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       6 kV         operating requency / 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         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       0perational current / rated value       16 A         operational current       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         operating frequency / rated value       60 Hz         Protection class IP       IP65         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	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       1065         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         • minimum       60 Hz         Protection class       1065         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       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       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       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         degree of protection vector 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	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>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     or the front 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      Current     operational current / rated value     16 A     operational current         • at 40 °C / rated value         16 A	operating frequency / rated value			
Protection class       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         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	• 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 / rated value       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	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 • 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 hot operating state / per pole     0.5 W       Current     0.5 W       operational current / rated value     16 A       operational current     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	Dissipation			
operational current / rated value     16 A       operational current		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
• at AC-23 A / at 400 V / rated value	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
• at AC-3 / at 690 V / rated value	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 contact / rated value	10 A
insulation voltage / of the auxiliary switch / rated value	500 V
Suitability	
suitability for use	
main switch	Yes
<ul> <li>switch disconnector</li> </ul>	Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>	No
<ul><li>EMERGENCY OFF switch</li><li>safety switch</li></ul>	No Yes
<ul> <li>safety switch</li> </ul>	Yes
<ul><li>safety switch</li><li>maintenance/repair switch</li></ul>	Yes
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> <li>Product details</li> </ul>	Yes Yes
safety switch     maintenance/repair switch  Product details  product feature / can be locked into OFF position	Yes Yes
safety switch     maintenance/repair switch  Product details  product feature / can be locked into OFF position accessories	Yes Yes
safety switch     maintenance/repair switch  Product details  product feature / can be locked into OFF position  accessories  product extension / optional	Yes Yes Yes
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details <ul> <li>product feature / can be locked into OFF position</li> </ul> accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts</li> </ul>	Yes Yes Yes No
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> </ul>	Yes Yes Yes No No 2
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details <ul> <li>product feature / can be locked into OFF position</li> </ul> accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts</li> </ul>	Yes Yes Yes No No
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details <ul> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional</li> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts</li> <li>/ attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts</li> </ul>	Yes Yes Yes No No 2
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> </ul>	Yes Yes Yes No No 2 2 2 3
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details <ul> <li>product feature / can be locked into OFF position</li> </ul> accessories <ul> <li>product extension / optional</li> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> </ul>	Yes Yes Yes No No 2 2 2 0
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> </ul>	Yes Yes Yes No No 2 2 2 3
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul>	Yes Yes No No 2 2 3
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul>	Yes Yes Yes No No 2 2 2 3
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details <ul> <li>product feature / can be locked into OFF position</li> </ul> accessories <ul> <li>product extension / optional</li> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul>	Yes Yes Yes No No 2 2 2 0 3 4 8 mm
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul>	Yes Yes Yes No No 2 2 2 0 3 4 8 mm
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> <li>let-through current / with closed switch</li> <li>at 240 V / for combination switch + gG fuse /</li> </ul>	Yes Yes No No 2 2 2 3 4 8 mm
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>attachable / by gG fuse / rated value</li> <li>let-through current / with closed switch</li> <li>at 240 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse /</li> </ul>	Yes Yes Yes Yes No No 2 2 2 2 0 3 48 mm
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Product details product feature / can be locked into OFF position accessories product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> <li>let-through current / with closed switch</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 690 V / by combination switch + gG fuse / maximum</li> </ul>	Yes Yes Yes No No 2 2 2 2 0 3 4 8 mm 50 kA 3 kA 3 kA
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> <li>let-through current / with closed switch</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 690 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul>	Yes Yes Yes No No 2 2 2 0 3 48 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 (16mm <sup>2</sup> )
type of connectable conductor cross-sections / for	
<ul><li>auxiliary contacts</li><li>solid</li></ul>	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
• finely stranded / with core end processing	lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup>
• stranded	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
type of electrical connection	
for main current circuit	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	84 mm
width	67 mm
depth	92.5 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	No
net weight	217 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	



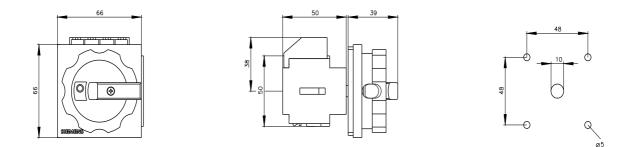
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2003-1TP51

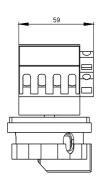
**CAx-Online-Generator** 

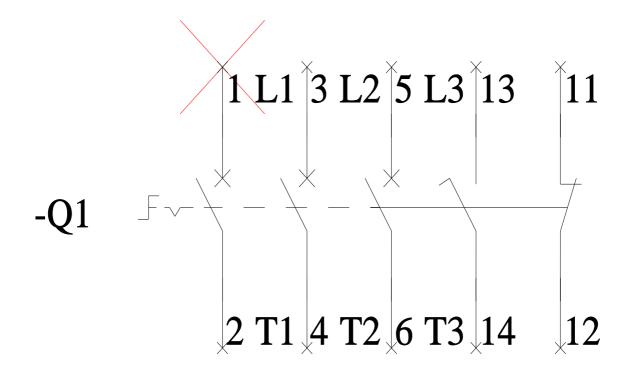
http://www.siemens.com/cax

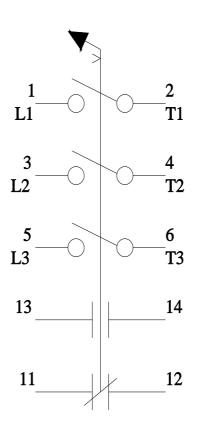
**Tender specifications** 

http://www.siemens.com/specifications









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