## SIEMENS

## Data sheet

## 3LD3248-0TL51



Load disconnector 3LD3, lu 32 A Main switch 3-pole + N Rated operating capacity for AC-23 A at 400V 11.5kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Rotating drive black 66 x 66 mm

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         Floor mounting with door coupling           design of the actuating element         Short rotary knob           color / of the actuating element         black           design of handle         rotary operating mechanism, black           rype 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     Floor mounting with door coupling       design of the actuating element     Short rotary knob       design of handle     rotary operating mechanism, black       type of the driving mechanism / motor drive     No       Ceneral technical data     number of poles       number of poles     4       number of poles     4       number of poles     6 000       electrical endurance (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 requency / rated value     6 8V       operating requency / rated value     6 8V       operating requency / rated value     600 V       operating requency / rated value     60 Hz       Protection class IP     IP65       degree of protection NEMA rating <td< td=""><td>product brand name</td><td>SENTRON</td></td<>	product brand name	SENTRON	
display version / for switch position indicator manual operation       1 ON - 0 OFF         type of switch       Floor mounting with door coupling         design of the actuating element       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 / note         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       0000         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 frequency / rated value       60 Hz         Protection class IP       IP65         degree of potection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W         poerational current / r	product designation	3LD Switch disconnector	
operation         Floor mounting with door coupling           design of the actuating element         Short rotary knob           color / of the actuating element         black           design of handle         rotary operating mechanism, black           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         General technical data       rotary operating mechanism, black         number of poles       4         number of poles / note       4         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 / maximum       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating rotage resistance / rated value       690 V         operating frequency / rated value       700 Hz         operating frequency / r		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       number of poles / note     4       number of poles / note     4       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       surge voltage resistance / rated value     690 V       operating frequency / rated value     690 V       operating frequency / rated value     690 V       operating rotage resistance / rated value     690 V       operating frequency / rated value     1, 3R, 4X, 12       protection class IP     1 <t< td=""><td>type of switch</td><td>Floor mounting with door coupling</td></t<>	type of switch	Floor mounting with door coupling	
design of handle       rotary operating mechanism, black         type of the driving mechanism / motor drive       No         General technical data	design of the actuating element	Short rotary knob	
type of the driving mechanism / motor drive       No         General technical data       number of poles       4         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voitage       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 </td <td>color / of the actuating element</td> <td>black</td>	color / of the actuating element	black	
General technical data         number of poles       4         number of poles / note       4         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       690 V         insulation voltage / rated value       690 V         operating voltage       68V         operating requency / rated value       690 V         operating rottage       61 kV         operating rottage       680 V         operating frequency / rated value       690 V         operating rottage       61 kV         operating frequency / rated value       690 V         operation class IP       IP65         protection class IP       IP65         operating state / per pole       1.8 W         operational current / rated value       32 A	design of handle	rotary operating mechanism, black	
number of poles       4         number of poles / note       4         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 frequency / rated value       690 V         operating rotage       6 kV         operating trequency / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operation class IP       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W         operating state / per pole       22 A         operational	type of the driving mechanism / motor drive	No	
number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6         • 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 trequency / maximum       600 V         operating tottage resistance / rated value       690 V         operating tottage resistance / rated value       690 V         operating frequency / rated value       50 Hz         edgree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W       1.8 W	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         surge voltage resistance / rated value       690 V         operating voltage       6100         • at AC / 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       600 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         operating state / per pole       32 A         operational current / rated value       32 A	number of poles	4	
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 trequency / rated value       690 V         operating voltage       6 kV         operating trequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       600 V         operating frequency / rated value       50 Hz         • maximum       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W         operational current / rated value       32 A         operational current / rated value       32 A         operational current <td>number of poles / note</td> <td>4</td>	number of poles / note	4	
• 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       690 V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       32 A         operational current       32 A         operational current       32 A	mechanical service life (switching cycles) / typical	100 000	
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           • at AC / rated value         690 V           operating frequency / rated value         600 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         1.8 W           current         32 A           operational current / rated value         32 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       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       32 A         Operational current       32 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         • maximum       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       1.8 W         Current       32 A         operational current       32 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, 3R, 4X, 12         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         Dissipation       1.8 W         operating state / per pole       32 A         operational current       32 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       100 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.8 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       32 A         operational current       32 A         operational current       32 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       100 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       18 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       32 A         operational current       32 A         operational current       32 A	insulation voltage / rated value	690 V	
• at AC / rated value       690 V         operating frequency / rated value       50 Hz         • maximum       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       power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.8 W         Current       32 A         operational current / rated value       32 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 ve	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>degree of protection NEMA rating</li> <li>protection class IP / on the front</li> <li>IP65</li> <li>degree of 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>32 A</li> <li>operational current</li> <li>• at 40 °C / rated value</li> <li>32 A</li> </ul>	at AC / rated value	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     32 A      operational current         • at 40 °C / rated value         32 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       1.8 W         Current       32 A         operational current / rated value       32 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       1.8 W         Current       operational current / rated value         operational current / rated value       32 A         operational current       32 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       1.8 W         Current       operational current / rated value         operational current       32 A         operational current       32 A	Protection class		
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     1.8 W       Current     32 A       operational current / rated value     32 A       operational current     32 A	protection class IP	IP65	
Dissipation         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.8 W         Current       operational current / rated value       32 A         operational current       32 A         operational current       32 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     1.8 W       Current     0       operational current / rated value     32 A       operational current     32 A	protection class IP / on the front	IP65	
hot operating state / per pole       Current       operational current / rated value     32 A       operational current     32 A       • at 40 °C / rated value     32 A	Dissipation		
operational current / rated value     32 A       operational current     32 A       • at 40 °C / rated value     32 A		1.8 W	
operational current       • at 40 °C / rated value       32 A	Current		
• at 40 °C / rated value 32 A	operational current / rated value	32 A	
	operational current		
• at 45 °C / rated value 32 A	• at 40 °C / rated value	32 A	
	• at 45 °C / rated value	32 A	

e at EQ °C / rated value	22.4
• at 50 °C / rated value	32 A
• at 55 °C / rated value	32 A
at AC / rated value	32 A
Main circuit	
operational current	
<ul> <li>at AC-21 / at 690 V / rated value</li> </ul>	32 A
<ul> <li>at AC-21 A / at 240 V / rated value</li> </ul>	32 A
<ul> <li>at AC-21 A / at 400 V / rated value</li> </ul>	32 A
<ul> <li>at AC-21 A / at 440 V / rated value</li> </ul>	32 A
• at AC-23 A / at 400 V / rated value	22 A
operating power	
<ul> <li>at AC-23 A / at 240 V / rated value</li> </ul>	6 kW
<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	12 kW
<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	11.5 kW
<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	12 kW
<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	5.5 kW
<ul> <li>at AC-3 / at 400 V / rated value</li> </ul>	10 kW
<ul> <li>at AC-3 / at 690 V / rated value</li> </ul>	9.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
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>safety switch</li> </ul>	Yes
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul>	Yes
maintenance/repair switch	
maintenance/repair switch Product details	Yes
maintenance/repair switch Product details special product feature	Yes Can be locked in zero position
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position	Yes
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position      accessories	Yes Can be locked in zero position
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position      accessories      product extension / optional	Yes Can be locked in zero position Yes
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position      accessories      product extension / optional      o motor drive	Yes Can be locked in zero position Yes No
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position      accessories      product extension / optional          motor drive          voltage trigger	Yes Can be locked in zero position Yes No No
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position      accessories      product extension / optional      o motor drive	Yes Can be locked in zero position Yes No
<ul> <li>maintenance/repair switch</li> <li>Product details         <ul> <li>special product feature</li> <li>product feature / can be locked into OFF position</li> </ul> </li> <li>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> </ul> </li> </ul>	Yes Can be locked in zero position Yes No No 2
maintenance/repair switch      Product details      special product feature      product feature / can be locked into OFF position      accessories      product extension / optional          motor drive          voltage trigger      number of connectable NC contacts / for auxiliary contacts	Yes Can be locked in zero position Yes No No
<ul> <li>maintenance/repair switch</li> <li>Product details         special product feature         product feature / can be locked into OFF position     </li> <li>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</li> </ul> </li> </ul>	Yes Can be locked in zero position Yes No No 2
<ul> <li>maintenance/repair switch</li> <li>Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         e 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 connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li></ul>	Yes Can be locked in zero position Yes No No 2 4 0
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</li> <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 / 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> </ul>	Yes Can be locked in zero position Yes No No 2 4 0 3
<ul> <li>maintenance/repair switch</li> <li>Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         e 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 connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li></ul>	Yes Can be locked in zero position Yes No No 2 4 0
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</li> <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 / 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> </ul>	Yes Can be locked in zero position Yes No No 2 4 0 3
<ul> <li>maintenance/repair switch</li> <li>Product details         special product feature         product feature / can be locked into OFF position     </li> <li>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> </ul> </li> </ul>	Yes Can be locked in zero position Yes No No 2 4 0 3
<ul> <li>maintenance/repair switch</li> <li>Product details         special product feature         product feature / can be locked into OFF position     </li> <li>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>hasp thickness / of the bracket locks</li> </ul> </li> <li>Short circuit         <ul> <li>conditional short-circuit current / with line-side fuse protection</li> </ul> </li> </ul>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details         special product feature         product feature / can be locked into OFF position     </li> <li>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> </li> <li>Short circuit</li> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 440 V / by gG fuse / rated value</li> </ul>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</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 bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit</li> <li>conditional short-circuit current / with line-side fuse protection <ul> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</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 bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>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>at 690 V / by gG fuse / rated value</li> </ul> </li>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA 6 kA
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</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 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</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> </ul>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</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 bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>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>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> </li>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA 6 kA
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</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 bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>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>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 /</li> </ul></li>	Yes Can be locked in zero position Yes No No 2 4 4 0 3 4 8 mm 10 kA 6 kA 4.5 kA
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</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 bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>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>at 690 V / by gG fuse / rated value</li> <li>at 440 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse / maximum</li> </ul> </li>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA 6 kA 4.5 kA 4.5 kA
<ul> <li>maintenance/repair switch</li> <li>Product details <ul> <li>special product feature</li> <li>product feature / can be locked into OFF position</li> </ul> </li> <li>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 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> </li> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection <ul> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li> <li>let-through current / with closed switch <ul> <li>at 240 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul> </li> </ul></li></ul>	Yes Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA 6 kA 4.5 kA 4.5 kA

maximum	
<ul> <li>at 440 V / for combination switch + gG fuse /</li> </ul>	9 kA2.s
maximum	
<ul> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul>	9 kA2.s
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 40 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	32 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	32 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	20
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	20
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	6
• minimum	14
type of connectable conductor cross-sections / for copper	
conductor	
• solid	1x (2.5 to 16 mm <sup>2</sup> )
<ul> <li>finely stranded / with core end processing</li> <li>stranded</li> </ul>	1x (2.516 mm <sup>2</sup> )
type of connectable conductor cross-sections / for	1x (2.5 to 16 mm <sup>2</sup> )
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 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
stranded	2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
type of electrical connection	
for main current circuit	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
Mechanical Design	
height	60 mm
width	49 mm
depth	380 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	No
<ul> <li>4-hole front mounting</li> <li>front mounting with control attachment</li> </ul>	No Yes
<ul> <li>front mounting with central attachment</li> <li>rail mounting</li> </ul>	Yes
net weight	300 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	Declaration of Conformity

**Confirmation** 







EG-Konf.

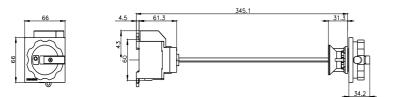
UK

other

**Miscellaneous** 

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=3LD3248-0TL51 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3248-0TL51 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3248-0TL51 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications



Tuer/ Door/ Porte Puerta/ Porta/ Porta Boden/ Base/ Plancher/ Base/ Pavimento/ Fundo

11.4



