# **SIEMENS**

## Data sheet

### 3LD3048-1TL53

Load disconnector 3LD3, lu 16 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 7.5kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Rotary actuator red / yellow 66 x 66 mm with auxiliary switch 10E + 1S



Product brand name       SENTRON         Product designation       3LD Switch disconnector         Design of the product       EMERGENCY-STOP switch         Display version / for switch position indicator manual operation       1 ON - 0 OFF         Design of the operating mechanism       Short rotary knob         Design of handle       rotary operating mechanism, red/yellow         Type of the driving mechanism / motor drive       No         General technical data       4         Number of poles       4         Number of poles / Note       4         Type of device       fixed mounting         Type of switch       Floor mounting with door coupling         Operating frequency / maximum       50 1/h         Voltage       690 V         Surge voltage resistance / rated value       6 kV	Model	
Design of the productEMERGENCY-STOP switchDisplay version / for switch position indicator manual operation1 ON - 0 OFFDesign of the operating mechanismShort rotary knobDesign of handlerotary operating mechanism, red/yellowType of the driving mechanism / motor driveNoGeneral technical dataNumber of poles4Number of poles / Note4Type of devicefixed mountingType of switchFloor mounting with door couplingOperating frequency / maximum50 1/hVoltageInsulation voltage / rated value690 V	Product brand name	SENTRON
Display version / for switch position indicator manual operation1 ON - 0 OFFDesign of the operating mechanismShort rotary knobDesign of handlerotary operating mechanism, red/yellowType of the driving mechanism / motor driveNoGeneral technical dataNumber of poles4Number of poles / Note4Type of devicefixed mountingType of switchFloor mounting with door couplingOperating frequency / maximum50 1/hVoltageInsulation voltage / rated value690 V	Product designation	3LD Switch disconnector
operationShort rotary knobDesign of the operating mechanismShort rotary knobDesign of handlerotary operating mechanism, red/yellowType of the driving mechanism / motor driveNoGeneral technical dataNumber of poles4Number of poles / Note4Type of devicefixed mountingType of switchFloor mounting with door couplingOperating frequency / maximum50 1/hVoltageInsulation voltage / rated value690 V	Design of the product	EMERGENCY-STOP switch
Design of handlerotary operating mechanism, red/yellowType of the driving mechanism / motor driveNoGeneral technical dataNumber of poles4Number of poles / Note4Type of devicefixed mountingType of switchFloor mounting with door couplingOperating frequency / maximum50 1/hVoltageInsulation voltage / rated value690 V		1 ON - 0 OFF
Type of the driving mechanism / motor drive     No       General technical data     Number of poles       Number of poles     4       Number of poles / Note     4       Type of device     fixed mounting       Type of switch     Floor mounting with door coupling       Operating frequency / maximum     50 1/h       Voltage       Insulation voltage / rated value     690 V	Design of the operating mechanism	Short rotary knob
General technical data         Number of poles         Number of poles / Note         A         Number of poles / Note         Type of device         Type of switch         Operating frequency / maximum         Voltage         Insulation voltage / rated value         690 V	Design of handle	rotary operating mechanism, red/yellow
Number of poles       4         Number of poles / Note       4         Type of poles / Note       fixed mounting         Type of device       fixed mounting         Type of switch       Floor mounting with door coupling         Operating frequency / maximum       50 1/h         Voltage         Insulation voltage / rated value       690 V	Type of the driving mechanism / motor drive	No
Number of poles / Note       4         Type of device       fixed mounting         Type of switch       Floor mounting with door coupling         Operating frequency / maximum       50 1/h         Voltage         Insulation voltage / rated value       690 V	General technical data	
Type of device     fixed mounting       Type of switch     Floor mounting with door coupling       Operating frequency / maximum     50 1/h       Voltage       Insulation voltage / rated value     690 V	Number of poles	4
Type of switch     Floor mounting with door coupling       Operating frequency / maximum     50 1/h       Voltage     690 V	Number of poles / Note	4
Operating frequency / maximum     50 1/h       Voltage     Insulation voltage / rated value       690 V	Type of device	fixed mounting
Voltage     690 V	Type of switch	Floor mounting with door coupling
Insulation voltage / rated value 690 V	Operating frequency / maximum	50 1/h
	Voltage	
Surge voltage resistance / rated value 6 kV	Insulation voltage / rated value	690 V
	Surge voltage resistance / rated value	6 kV

Protection class IP     IP66       Protection class IP / on the front     IP65       Dissipation     Power loss (M) / for rated value of the current / at AC     0.5 W       // in hot operating state / per pole     0.5 W       Electricity     0.5 W       Current / at AC / rated value     16 A       Continuous current / of upsteem fuse / rated value     16 A       Short-time current resistance (icw) / at 690 V / limited     500 A       operating frequency     initial value       • Initial value     60 Hz       Operating frequency     60 Hz       • at AC-23 A / at 690 V / rated value     7.5 kW       • at AC-33 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 for auxiliary contacts     0       Number of CO contacts / for auxiliary contacts     1       Operating voltage     1       • at AC / rated value     500 V       Auxiliary contacts / for auxiliary contacts     1       Operating voltage / of auxiliary contacts     1       Operating voltage / of auxiliary contacts     1       Operating voltage / of auxiliary contacts     10 A	Protection class	
Dissipation         Power loss [M] / for rated value of the current / at AC / in hot operating state / per pole       0.5 W         Electricity       Electricity         Current / at AC / rated value       16 A         Continuous current / rated value       16 A         Continuous current / of upstream fuse / rated value       16 A         Short-time current resistance (low) / at 690 V / limited       500 A         of 1 s / rated value       500 A         Operating frequency       •         • initial value       50 Hz         • Fording frequency       •         • at AC-32 A / at 400 V / rated value       7.5 kW         • at AC-33 / at 400 V / rated value       5.5 kW         • at AC-31 / at 600 V / rated value       5.5 kW         • at AC-31 / at 600 V / rated value       5.5 kW         • at AC / at 50/60 Hz / rated value       680 V         Auxiliary contacts / for auxiliary contacts       1         Number of CO contacts / for auxiliary contacts       1         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of the auxiliary contacts       1         Output       500 V         Continuous current / of the auxiliary contacts       1         Number of NC contacts / for auxiliary contacts		IP65
Power loss [W] / for rated value of the current / at AC     0.5 W       / in hot operating state / per pole     0.5 W       Electricity     16 A       Continuous current / at AC / rated value     16 A       Continuous current / of upstream fuse / rated value     16 A       Short-time current resistance (low) / at 690 V / limited     500 A       Operating frequency     initial value       • initial value     50 Hz       • Operating frequency     60 Hz       • at AC-23 A / at 400 V / rated value     7.5 kW       • at AC-33 / at 400 V / rated value     5.5 kW       • at AC-33 / at 400 V / rated value     5.5 kW       • at AC-33 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       Operating voltage     • at AC-3 / at 690 V / rated value       • at AC-3 / at 690 V / rated value     5.5 kW       Operating voltage     • at AC / at 50/60 Hz / rated value       • at AC / at 50/60 Hz / rated value     500 V       Auxiliary circuit     1       Number of NC contacts / for auxiliary contacts     1       Number of NC contacts / for auxiliary contacts     1       Operating voltage / of the auxiliary contacts / at AC / at 800 V     10 A	Protection class IP / on the front	IP65
Power loss [W] / for rated value of the current / at AC     0.5 W       / in hot operating state / per pole     0.5 W       Electricity     16 A       Continuous current / at AC / rated value     16 A       Continuous current / of upstream fuse / rated value     16 A       Short-time current resistance (low) / at 690 V / limited     500 A       Operating frequency     initial value       • initial value     50 Hz       • Operating frequency     60 Hz       • at AC-23 A / at 400 V / rated value     7.5 kW       • at AC-33 / at 400 V / rated value     5.5 kW       • at AC-33 / at 400 V / rated value     5.5 kW       • at AC-33 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       • at AC-3 / at 690 V / rated value     5.5 kW       Operating voltage     • at AC-3 / at 690 V / rated value       • at AC-3 / at 690 V / rated value     5.5 kW       Operating voltage     • at AC / at 50/60 Hz / rated value       • at AC / at 50/60 Hz / rated value     500 V       Auxiliary circuit     1       Number of NC contacts / for auxiliary contacts     1       Number of NC contacts / for auxiliary contacts     1       Operating voltage / of the auxiliary contacts / at AC / at 800 V     10 A		
/ in hot operating state / per pole  Electricity  Current / at AC / rated value  Continuous current / rated value  A  Contracts / for auxiliary contacts  A  Contracts / for auxiliary contacts  A  Contacts / for auxiliary contacts  A  Contacts / for auxiliary contacts  Contacts / for auxiliary contact  Contacts / for auxiliary contact  Contacts / for auxiliar		0.5 W
Electricity         Current / at AC / rated value       16 A         Continuous current / rated value       16 A         Continuous current / of upstream fuse / rated value       16 A         Short-line current resistance (Icw) / at 690 V / limited       500 A         to 1 s / rated value       500 Hz         Operating frequency       •         • initial value       50 Hz         Operating power       •         • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-33 / at 690 V / rated value       7.5 kW         • at AC-3 / at 400 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       •         Number of CO contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts / at AC / at 500 V       500 V         maximum       Continuous current / of the auxiliary contact / rated value       10 A         Value       Solitability for use       500 V         Suitability for use       • </td <td></td> <td>0.5 W</td>		0.5 W
Current / at AC / rated value     16 A       Continuous current / rated value     16 A       Continuous current / rated value     16 A       Short-line current resistance (lcw) / at 690 V / limited     500 A       Value     50 Hz       Operating frequency     60 Hz       Operating frequency     60 Hz       Operating nower     at AC-23 A / at 400 V / rated value     7.5 kW       at AC-23 A / at 690 V / rated value     7.5 kW       at AC-3 / at 690 V / rated value     5.5 kW       operating ower     at AC-3 / at 690 V / rated value       at AC-3 / at 690 V / rated value     5.5 kW       Operating voltage     690 V       at AC-3 / at 690 V / rated value     5.5 kW       Operating voltage     690 V       Auxiliary circuit     7.5 kW       Number of CO contacts / for auxiliary contacts     1       Number of NC contacts / for auxiliary contacts     1       Operating voltage / of auxiliary contacts     1       Continuous current / of the auxiliary contact / rated     10 A       value     500 V       Suitability for use     500 V       Suitability for use     500 V       • Main switch     Yes       • Suitability for use     500 V       • Suitability for use     500 V       • Main switch     Yes	· ······ · · · · · · · · · · · · · · ·	
Continuous current / rated value       16 A         Continuous current / of upstream fuse / rated value       16 A         Short-time current resistance (lcw) / at 690 V / limited       500 A         Value       500 A         Operating frequency       60 Hz         Operating prequency       60 Hz         Operating prequency       60 Hz         Operating power       7.5 kW         • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-33 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       690 V         Number of CO contacts / for auxiliary contacts       0         Number of NO contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts       10 A         value       500 V         Soutability for use       500 V         Number of NO contacts / for auxiliary contact / rated       10 A         value       500 V         Suitability for use       500 V         • Main switch       Yes		
Continuous current / of upstream fuse / rated value       16 A         Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value       500 A         Main circuit       500 Hz         Operating frequency       60 Hz         • initial value       60 Hz         Operating power       -         • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-33 / at 400 V / rated value       7.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       690 V         Auxiliary circuit       500 V         Number of CO contacts / for auxiliary contacts       1         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of the auxiliary contacts       1         Continuous current / of the auxiliary contact / rated value       500 V         Suitability       500 V         Suitability for use       500 V         • Main switch       Yes         • Saifety switch       Yes         • EMERGENCY OFF switch       Yes         • Saifety switch       Yes		
Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value       500 A         Main circuit       Operating frequency         • initial value       50 Hz         • Full-scale value       60 Hz         Operating power       •         • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-23 A / at 690 V / rated value       7.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       690 V         • at AC of to 600 Hz / rated value       690 V         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       Number of CO contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       1         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of the auxiliary contact / rated       500 V         value       500 V         Insultation voltage / of the auxiliary switch / rated       500 V         value       500 V         Suitability       500 V         Suitability       500 V         EMERGENCY OFF switch       Yes		
to 1 s / rated value          Main circuit         Operating frequency         • initial value       50 Hz         60 Hz         Operating power         • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-23 A / at 690 V / rated value       7.5 kW         • at AC-3 / at 400 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       Number of CO contacts / for auxiliary contacts         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts       1         Operating voltage / of auxiliary contacts / at AC / maximum       500 V         Continuous current / of the auxiliary contact / rated value       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       500 V         • Main switch       Yes         • Suitability for use       500 V         • Main switch       Yes         • Suitability for use       500 V         • Main switch       Yes         • Suitability for use       500 V         • Ma		
Main circuit         Operating frequency         • initial value       50 Hz         • Full-scale value       60 Hz         Operating power       • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-23 A / at 690 V / rated value       7.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       690 V         Number of CO contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts / at AC / maximum       500 V         Continuous current / of the auxiliary contact / rated value       500 V         Insulation voltage / of the auxiliary switch / rated value       500 V         Value       500 V         Suitability for use       500 V         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • EMERGENCY OFF switch       Yes         • affety switch       Yes		500 A
Operating frequency       50 Hz         • initial value       60 Hz         Operating power       60 Hz         • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-23 A / at 690 V / rated value       7.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         Operating voltage       690 V         Auxiliary circuit       Number of CO contacts / for auxiliary contacts         Number of CC contacts / for auxiliary contacts       1         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts / at AC / maxiliary contacts / at AC / at 500 V       500 V         Mumber of NC contacts / of auxiliary contact / rated value       500 V         Operating voltage / of auxiliary contact / rated value       500 V         Insulation voltage / of the auxiliary switch / rated value       500 V         Value       500 V         Suitability       500 V         Suitability       500 V         Suitability       500 V         e switch disconnector       Yes         • switch disconnector       Yes         • safety switch       Yes	to 1 s / rated value	
initial value     initial	Main circuit	
• Full-scale value       60 Hz         Operating power       • at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-23 A / at 690 V / rated value       7.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         Operating voltage       • at AC / at 50/60 Hz / rated value         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       Number of CO contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       1         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts       1         Continuous current / of the auxiliary contact / rated       10 A         value       500 V         Insulation voltage / of the auxiliary switch / rated       500 V         value       500 V         Suitability       500 V         Suitability       500 V         • Main switch       Yes         • Main switch       Yes         • Main switch       Yes         • EMERGENCY OFF switch       Yes	Operating frequency	
Operating power       Image: Comparison of Com	• initial value	50 Hz
• at AC-23 A / at 400 V / rated value       7.5 kW         • at AC-23 A / at 690 V / rated value       7.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         • at AC-3 / at 690 V / rated value       5.5 kW         Operating voltage       690 V         • at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       Number of CO contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts       1         Operating voltage / of auxiliary contacts       1         Number of NC contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts / at AC / maximum       500 V         Continuous current / of the auxiliary contact / rated value       500 V         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability for use       500 V         • Main switch       Yes         • Switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes	• Full-scale value	60 Hz
e at AC-23 A / at 690 V / rated value         7.5 kW           e at AC-3 / at 690 V / rated value         5.5 kW           e at AC-3 / at 690 V / rated value         5.5 kW           Operating voltage         690 V           e at AC / at 50/60 Hz / rated value         690 V           Auxiliary circuit         0           Number of CC contacts / for auxiliary contacts         0           Number of NC contacts / for auxiliary contacts         1           Number of NC contacts / for auxiliary contacts         1           Operating voltage / of auxiliary contacts         1           Operating voltage / of auxiliary contacts / at AC / s00 V         500 V           maximum         500 V           Continuous current / of the auxiliary contact / rated value         10 A           value         500 V           Suitability         500 V           Suitability         500 V           switch disconnector         Yes           • Switch disconnector         Yes           • Safety switch         Yes           • maintenance/repair switch         Yes	Operating power	
e at AC-3 / at 400 V / rated value               5.5 kW                 e at AC-3 / at 690 V / rated value               5.5 kW                 Operating voltage             e at AC / at 50/60 Hz / rated value               690 V                 Auxiliary circuit               Mumber of CO contacts / for auxiliary contacts               0                 Number of NC contacts / for auxiliary contacts               0               Number of NC contacts / for auxiliary contacts                 Number of NC contacts / for auxiliary contacts               1               Number of NO contacts / for auxiliary contacts                 Operating voltage / of auxiliary contacts / at AC /             maximum               500 V                 Continuous current / of the auxiliary contact / rated             value               10 A             value                 Suitability               Suitability for use               500 V                Main switch             switch disconnector             Yes              Safety switch             Yes                 safety switch             maintenance/repair switch             Yes	• at AC-23 A / at 400 V / rated value	7.5 kW
	• at AC-23 A / at 690 V / rated value	7.5 kW
Operating voltage       690 V         Auxiliary circuit       690 V         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       500 V         EMILATION       Yes         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes	• at AC-3 / at 400 V / rated value	5.5 kW
• at AC / at 50/60 Hz / rated value       690 V         Auxiliary circuit       0         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       500 V         Suitability for use       9         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes	• at AC-3 / at 690 V / rated value	5.5 kW
Auxiliary circuit       0         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       500 V         Suitability for use       500 V         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes	Operating voltage	
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       500 V         Suitability       500 V         Suitability       500 V         e Main switch       Yes         • Switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes	• at AC / at 50/60 Hz / rated value	690 V
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       500 V         Suitability       500 V         Suitability       500 V         e Main switch       Yes         • Switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes		
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       Yes         • Main switch       Yes         • Safety switch       Yes         • maintenance/repair switch       Yes		0
Number of NO contacts / for auxiliary contacts       1         Operating voltage / of auxiliary contacts / at AC /       500 V         maximum       10 A         Continuous current / of the auxiliary contact / rated       10 A         value       500 V         Insulation voltage / of the auxiliary switch / rated       500 V         value       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       500 V         • Main switch       Yes         • Switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes		
Operating voltage / of auxiliary contacts / at AC /       500 V         maximum       500 V         Continuous current / of the auxiliary contact / rated       10 A         value       10 A         Insulation voltage / of the auxiliary switch / rated       500 V         value       500 V         Suitability       500 V         Suitability for use       500 V         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes		
maximum       Insulation voltage / of the auxiliary switch / rated value       10 A         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       500 V         Suitability for use       6         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes	-	
Continuous current / of the auxiliary contact / rated value       10 A         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       500 V         Suitability       500 V         Suitability for use       6         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes		500 V
value       500 V         Insulation voltage / of the auxiliary switch / rated value       500 V         Suitability       Suitability         Suitability for use       Yes         • Main switch       Yes         • switch disconnector       Yes         • EMERGENCY OFF switch       Yes         • safety switch       Yes         • maintenance/repair switch       Yes		10 A
value     Suitability       Suitability for use     Yes       • Main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes	· · · · ·	
value     Suitability       Suitability for use     Yes       • Main switch     Yes       • switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes	Insulation voltage / of the auxiliary switch / rated	500 V
Suitability for use• Main switch• switch disconnector• Switch disconnector• EMERGENCY OFF switch• safety switch• maintenance/repair switchYes	value	
Suitability for use• Main switchYes• switch disconnectorYes• EMERGENCY OFF switchYes• safety switchYes• maintenance/repair switchYes		
<ul> <li>Main switch</li> <li>Switch disconnector</li> <li>EMERGENCY OFF switch</li> <li>safety switch</li> <li>maintenance/repair switch</li> <li>Yes</li> </ul>		
• switch disconnector     Yes       • EMERGENCY OFF switch     Yes       • safety switch     Yes       • maintenance/repair switch     Yes	•	Yes
EMERGENCY OFF switch     Safety switch     maintenance/repair switch     Yes		
safety switch     maintenance/repair switch     Yes		
maintenance/repair switch     Yes		
	-	
Product details	<ul> <li>maintenance/repair switch</li> </ul>	res
	Product details	

Product feature / interlock	Yes
Number of bracket locks / maximum	3
Hasp thickness / of bracket locks / minimum	- 4 mm
Hasp thickness / of bracket locks / maximum	8 mm
Product extension / optional	
• motor drive	No
Voltage trigger	No
Short circuit	
Conditional short-circuit current / with line-side fuse	
protection	014
• at 690 V / by gG fuse / rated value	6 kA
Number of NC contacts	1
Number of NO contacts	1
Connections	
Type of connectable conductor cross-sections	
<ul> <li>for copper conductor / solid</li> </ul>	1x (2.5 to 16 mm <sup>2</sup> )
<ul> <li>for copper conductor / stranded</li> </ul>	1x (2.5 to 16 mm²)
<ul> <li>for auxiliary contacts / solid</li> </ul>	2x (0.75 2.5 mm²), 1x 4 mm²
<ul> <li>for auxiliary contacts / finely stranded / with</li> </ul>	2x (0.75 1.5 mm²), 1x 2.5 mm²
core end processing	
<ul> <li>for auxiliary contacts / stranded</li> </ul>	2x (0.75 2.5 mm2), 1x 4 mm2
Type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
Requirements	
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
Mechanical Design	
Height	60 mm
Width	60 mm
Depth	380 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type	
<ul> <li>front mounting with 4-hole attachment</li> </ul>	No
<ul> <li>front mounting with central attachment</li> </ul>	Yes
• rail mounting	Yes
Net weight	300 g
-	-
Environmental conditions	

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General Product Approval	Declaration of Conformity
• acc. to DIN EN 81346-2	SF
• acc. to DIN EN 61346-2	S
Reference code	
Certificates	
<ul> <li>during operation / maximum</li> </ul>	55 °C
<ul> <li>during operation / minimum</li> </ul>	-25 °C
Ambient temperature	

#### 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=3LD3048-1TL53

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3048-1TL53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3048-1TL53

EG-Konf.

CAx-Online-Generator http://www.siemens.com/cax

#### **Tender specifications**

http://www.siemens.com/specifications



