SIEMENS

Data sheet 3LD3354-0TL51



Switch disconnector 3LD3, main switch 3-polig + N, lu 40A operational switch at AC-23 A at 400 V 15,0 kW front mounted Base mounting with center-hole 22,5 mm knob-operated mechanism black 66×66 mm

Model		
Product brand name	SENTRON	
Product designation	3LD Switch disconnector	
Design of the product	Main switch	
Display version / for switch position indicator manual operation	1 ON - 0 OFF	
Design of the operating mechanism	Short rotary knob	
Design of handle	rotary operating mechanism, black	
General technical data		
Number of poles	4	
Type of device	fixed mounting	
Type of switch	front mounted	
Operating frequency / maximum	50 1/h	
Voltage		
Insulation voltage / rated value	690 V	
Surge voltage resistance / rated value	6 kV	
Protection class		
Protection class IP	IP65	

Dissipation	Protection class IP / on the front	IP65
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole Electricity Current / at AC / rated value 40 A Continuous current / rated value 50 Hz 60 Hz Operating frequency • initial value • full-scale value 70 Operating power • at AC -23 A / at 690 V / rated value • at AC -33 A / at 690 V / rated value • at AC -33 A / at 690 V / rated value • at AC -34 A / at 690 V / rated value • at AC -35 A / at 400 V / rated value • at AC -35 A / at 400 V / rated value • at AC -35 A / at 400 V / rated value • at AC -36 A / at 400 V / rated value • at AC -37 at 50/60 Hz / rated value • at AC -37 at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value Soutability Suitability Suitability Suitability Product dealure / interlock Product feature / interlock Product feature / interlock Product dealure / interlock Product dealu	Dissipation	
Departing state / per pole Electricity Current / at AC / rated value Continuous current / rated value A0 A Short-time current resistance (low) / at 690 V / limited to 1 s / rated value Main circuit Operating frequency initial value 50 Hz Full-scale value 60 Hz Operating power at AC-23 A / at 400 V / rated value it AC-23 A / at 400 V / rated value at AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value Operating voltage / of auxiliary contacts / at AC / rade/mainum Continuous current / of the auxiliary contact / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 400 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 500 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated value it AC-3 / at 600 V / rated		
Electricity Current/ at AC / rated value Continuous current rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value 1 000 A 1	• for rated value of the current / at AC / in hot	2.5 W
Current / at AC / rated value 40 A Continuous current / rated value 40 A Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value 1 000 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 18.5 kW at AC-23 A / at 690 V / rated value 11.5 kW at AC-3 / at 690 V / rated value 11.5 kW at AC-3 / at 690 V / rated value 11.5 kW Operating voltage 60 Hz Operating voltage 60 Hz Operating voltage 70 fauxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Main switch Yes Suitability Suitability Suitability For use Main switch Yes Safety switch Yes Product details Product details Product details Product extension / optional	operating state / per pole	
Continuous current / rated value Short-time current resistance (icw) / at 690 V / limited 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 18.5 kW at AC-23 A / at 400 V / rated value 15 kW at AC-3 / at 400 V / rated value 11.5 kW Operating voltage at AC-3 / at 400 V / rated value 11.5 kW Operating voltage at AC-3 / at 500 V / rated value 11.5 kW Operating voltage at AC / at 50/60 Hz / rated value 500 V Auxiliary circuit Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability or use Main switch switch disconnector EMERGENCY OFF switch safety switch res Product details Product details Product feature / interlock Product extension / optional		
Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Main circuit Operating frequency initial value 50 Hz 60 Hz Operating power intial value 18.5 kW intial value 18.5 kW intial value 18.5 kW intial value 18.5 kW intial value intial value 18.5 kW intial value intial	Current / at AC / rated value	40 A
Main circuit Operating frequency initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC / at 50/60 Hz / rated value continuous current / of the auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Main switch switch disconnector switch disconnector e EMERGENCY OFF switch safety switch res Product details Product details Product extension / optional	Continuous current / rated value	40 A
Main circuit Operating frequency initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability Suitability EMERGENCY OFF switch safety switch res Product details Product details Product extension / optional		1 000 A
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Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability or use Main switch Switch disconnector EMERGENCY OFF switch Safety switch maintenance/repair switch Yes Product details Product details Product feature / interlock Yes Product extension / optional	Operating frequency	
Operating power • at AC-23 A / at 400 V / rated value • at AC-3 A / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC / at 50/60 Hz / rated value Operating voltage • at AC / at 50/60 Hz / rated value Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Yes • Main switch • safety switch • safety switch • rated yes • maintenance/repair switch Yes Product details Product details Product extension / optional	● initial value	50 Hz
at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 690 V / rated value 11.5 kW at AC-3 / at 690 V / rated value 11.5 kW Operating voltage at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability For use Main switch Switch disconnector EMERGENCY OFF switch Safety switch Tread of the auxiliary switch Yes maintenance/repair switch Yes Product details Product details Product extension / optional	• Full-scale value	60 Hz
at AC-23 A / at 690 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 11.5 kW Operating voltage at AC / at 50/60 Hz / rated value Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability or use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Product details Product details Product extension / optional	Operating power	
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Operating voltage • at AC / at 50/60 Hz / rated value Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product extension / optional	• at AC-3 / at 400 V / rated value	11.5 kW
at AC / at 50/60 Hz / rated value Auxiliary circuit Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use Main switch switch disconnector switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Product details Product feature / interlock Product extension / optional	• at AC-3 / at 690 V / rated value	11.5 kW
Auxiliary circuit Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product extension / optional	Operating voltage	
Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product extension / optional	• at AC / at 50/60 Hz / rated value	690 V
maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product details Product extension / optional	Auxiliary circuit	
Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch switch disconnector Suitability for use EMERGENCY OFF switch safety switch maintenance/repair switch Product details Product feature / interlock Product extension / optional	Operating voltage / of auxiliary contacts / at AC /	500 V
Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use • Main switch • switch disconnector • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details Product reature / interlock Product extension / optional		
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Product details Product feature / interlock Product extension / optional Yes	safety switch	Yes
Product feature / interlock Product extension / optional Yes	maintenance/repair switch	Yes
Product feature / interlock Product extension / optional Yes	Product details	
		Yes
• motor drive	Product extension / optional	
	• motor drive	No
Voltage trigger No	Voltage trigger	No

Short-time current resistance (lcw) / limited to 1 s / rated value	1 000 kA
Number of NC contacts	0
Number of NO contacts	0

Connections

Type of electrical connection

• for main current circuit Box terminal

Requirements

Design of the fuse link

• for short-circuit protection of the main circuit / required

fuse gL/gG: 40 A

• for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 10 A

Mechanical Design

60 mm
49 mm
114 mm
Built-in unit fixed-mounted version
No
Yes
No
200 g

Environmental conditions

Ambient temperature

during operation / minimum
 -25 °C
 during operation / maximum
 55 °C

Certificates

Equipment marking

acc. to DIN EN 61346-2
 acc. to DIN EN 81346-2
 SF

Declaration of Conformity



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=3LD3354-0TL51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3354-0TL51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3354-0TL51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







