SIEMENS

Data sheet

3LD3454-0TL51



Load disconnector 3LD3, Iu 63 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 22.0 kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive black 66x66 mm

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
design of the actuating element	Short rotary knob
color of the actuating element	black
design of handle	rotary operating mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
number of poles note	4
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	6 kV
operating voltage	
at AC rated value	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP on the front	IP65
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	4.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	63 A
 at AC-21 A at 240 V rated value 	63 A
 at AC-21 A at 400 V rated value 	63 A
 at AC-21 A at 440 V rated value 	63 A
 at AC-23 A at 400 V rated value 	43 A

ai AC-23 A at 400 V rated value 11 kW ai AC-23 A at 400 V rated value 22 kW ai AC-23 A at 400 V rated value 19 kW ai AC-23 At 400 V rated value 19 kW ai AC-33 at 400 V rated value 19 kW ai AC-31 440 V rated value 10 kW ai AC-31 440 V rated value 0 ai AC-31 440 V rated value 0 contracts for auxiliary contacts 0 operating voltage of auxiliary contacts 0 operating voltage of auxiliary contact at 40 value 10 A insultation voltage of the auxiliary contact at 40 value 500 V subtability for use		
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· · · ·	• at 240 V for combination switch + gG fuse maximum	21 kA2.s
a at 600 V for combination quitable of fuer maximum and at 140 a	• at 440 V for combination switch + gG fuse maximum	21 kA2.s
• at oso v for combination switch + gG fuse maximum 21 KA2.S	• at 690 V for combination switch + gG fuse maximum	21 kA2.s
design of the fuse link	design of the fuse link	
• for short-circuit protection of the main circuit required fuse gL/gG: 63 A	• for short-circuit protection of the main circuit required	fuse gL/gG: 63 A
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value 63 A	operational current of upstream fuse rated value	63 A
according UL	according UL	
operational current at AC according to UL 508/UL 60947-4-1 63 A rated value		63 A
operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 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		25
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 30	4-1 rated value	

Confirmation <u>Miscellaneous</u> Environmental firmations	
other Environment	
	Confirmation ERIC
General Product Approval	
Approvals Certificates	
• maximum	55 °C
• minimum	-25 °C
ambient temperature during storage	
• maximum	55 °C
• minimum	-25 °C
ambient temperature during operation	
Environmental conditions	
net weight	200 g
rail mounting	No
 front mounting with central attachment 	Yes
4-hole front mounting	No
fastening method	
fastening method	Built-in unit fixed-mounted version
type of device	fixed mounting
depth	114 mm
width	49 mm
height	60 mm
Vechanical Design	
for auxiliary contacts	Box terminals
for main current circuit	box terminal
type of electrical connection	2A (0.75 2.3 IIIII), 1A 4 IIIII
 finely stranded with core end processing stranded 	2x (0.75 1.5 mm²), 1x 2.5 mm² 2x (0.75 2.5 mm²), 1x 4 mm²
 solid finally stranded with core and processing 	2x (0.75 2.5 mm ²), 1x 4 mm ²
contacts	$2 \times (0.75 - 2.5 \text{ mm}^2) \times 4 \text{ mm}^2$
type of connectable conductor cross-sections for auxiliary	
Intervision of the stranded with core and processing stranded	1x (2.5 to 16 mm ²)
 solid finely stranded with core end processing 	1x (2.5 to 16 mm ²) 1x (2.516 mm ²)
type of connectable conductor cross-sections for copper conductor	
0	14
•	6
AWG number as coded connectable conductor cross section solid maximum	
Connections	
type of fuse according to UL	RK5
continuous current of upstream fuse according to UL rated value	50 A

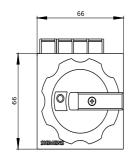
https://support.industry.siemens.com/cs/ww/en/ps/3LD3454-0TL51

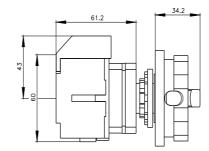
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3454-0TL51

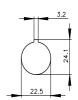
CAx-Online-Generator http://www.siemens.com/cax

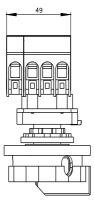
Tender specifications

http://www.siemens.com/specifications









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