SIEMENS

Data sheet

3LD3450-0TK13



Load disconnector 3LD3, lu 63 A Main switch 3-pole 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 red / yellow 48x48 mm

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
design of the actuating element	selector switch
color of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
number of poles note	3
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

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Suitability suitability for use	continuous current of the auxiliary contact rated value	10 A
suitability for use • main switch • switch disconnector • Kes • SubERGENCY OFF switch • safely switch • asafey switch • Yes • maintenance/repair switch Product details product details product feature Product feature Product feature Product feature Product feature Product feature Product feature Product fea	insulation voltage of the auxiliary switch rated value	500 V
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 at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 600 V for combination switch + gG fuse maximum be at 600 V for combination switch + gG fuse maximum be at 600 V for control in the fuse fuse fuse fuse fuse fuse fuse fus		6 kA
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• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operational current at AC according to UL 508/UL 60947-4-1 rated value 63 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 25 active power [hp] at AC at 600 V according to UL 508/UL 60947- 30 30	 for short-circuit protection of the main circuit required 	fuse gL/gG: 63 A
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4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 30	operating voltage at AC at 50/60 Hz according to UL 508/UL	600 V
		25
	active power [hp] at AC at 600 V according to UL 508/UL 60947-	30

Miscellaneous Confirmation Environmenta	
other Environment	
General Product Approval	Declaration of Conformity
• maximum	55 °C
• minimum	-25 °C
ambient temperature during storage	
• maximum	55 °C
• minimum	-25 °C
ambient temperature during operation	
invironmental 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	
height width	36 mm
	60 mm
for auxiliary contacts lechanical Design	Box terminals
for main current circuit for auxiliany contacts	box terminal
type of electrical connection	hoy terminal
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded with core end processing stranded 	2x (0.75 1.5 mm ²), 1x 2.5 mm ²
solid	2x (0.75 2.5 mm ²), 1x 4 mm ²
type of connectable conductor cross-sections for auxiliary contacts	
stranded	1x (2.5 to 16 mm²)
 finely stranded with core end processing 	1x (2.516 mm²)
• solid	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections for copper	
• minimum	14
• maximum	6
AWG number as coded connectable conductor cross section	
connections	
type of fuse according to UL	
continuous current of upstream fuse according to UL rated value	50 A

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

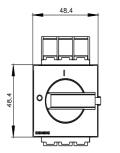
Information- and Downloadcenter (Catalogs, Brochures,...)

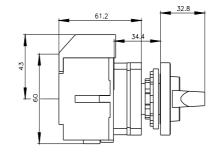
http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3450-0TK13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3450-0TK13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3450-0TK13 CAx-Online-Generator

http://www.siemens.com/cax

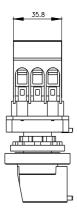
Tender specifications

http://www.siemens.com/specifications









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