SIEMENS

Data sheet

3LD2405-1TL13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4- pole, lu=250 A, operating power / at AC-23 A 400 V: 132 kW, front-mounted, knoboperated mechanism, red/yellow, 4-hole mounting of the handle

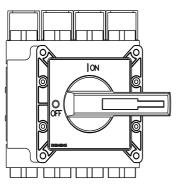
Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	front mounted
design of the actuating element	selector switch
color of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
size of switch disconnector	5
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	8 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	36 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	250 A
• at AC-21 A at 240 V rated value	250 A
• at AC-21 A at 400 V rated value	250 A
• at AC-21 A at 440 V rated value	250 A
 at AC-23 A at 400 V rated value 	224 A

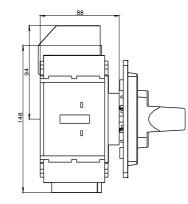
anarating neuror	
operating power	75 kW
at AC-23 A at 240 V rated value	
at AC-23 A at 400 V rated value	132 kW
at AC-23 A at 440 V rated value	132 kW
at AC-23 A at 690 V rated value	55 kW
• at AC-3 at 240 V rated value	55 kW
• at AC-3 at 400 V rated value	110 kW
• at AC-3 at 690 V rated value	45 kW
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
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts	2
attachable maximum	-
number of connectable NO contacts for auxiliary contacts attachable maximum	2
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	4 6 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
 at 690 V by gG fuse rated value 	50 kA
let-through current with closed switch	
 at 240 V for combination switch + gG fuse maximum 	15 kA
• at 440 V for combination switch + gG fuse maximum	15 kA
• at 690 V for combination switch + gG fuse maximum permissible	15 kA
I2t value with closed switch	
 at 240 V for combination switch + gG fuse maximum 	557 kA2.s
• at 440 V for combination switch + gG fuse maximum	557 kA2.s
• at 690 V for combination switch + gG fuse maximum	557 kA2.s
design of the fuse link	
 for short-circuit protection of the main circuit required 	fuse gL/gG: 250 A
 for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A
operational current of upstream fuse rated value	250 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1	250 A
rated value operating voltage at AC at 50/60 Hz according to UL 508/UL	600 V
60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-	100
4-1 rated value	
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	75
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	10 kA
continuous current of upstream fuse according to UL rated value	200 A

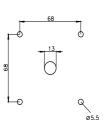
1
4/0
1x (16185mm²)
1x (16150mm²)
1x (16185mm²)
lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
box terminal
connection terminals
169 mm
112 mm
94 mm
fixed mounting
Built-in unit fixed-mounted version
Yes
No
No
2 605 g
-25 °C
55 °C
-25 °C
55 °C
IH3 (#) (*)

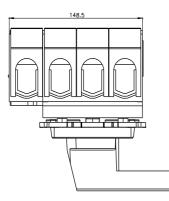
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=3LD2405-1TL13

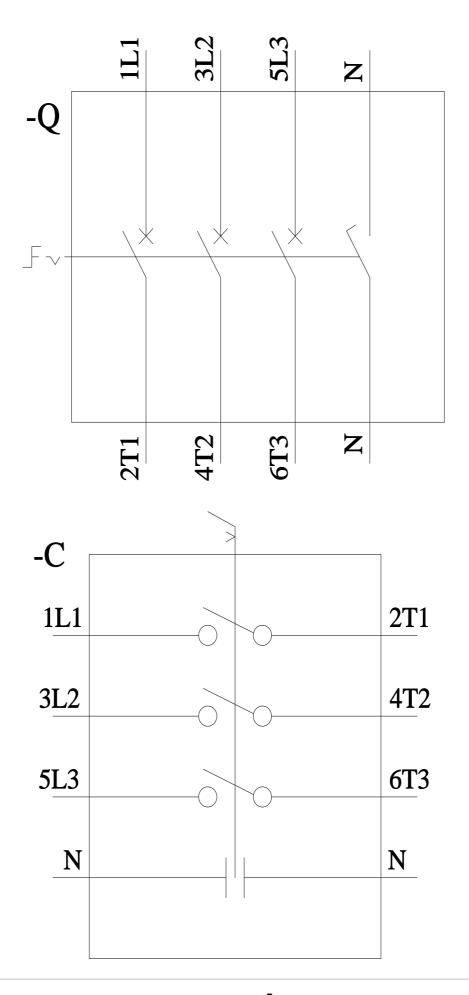
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications











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