SIEMENS

Data sheet

3LD2418-0TK13



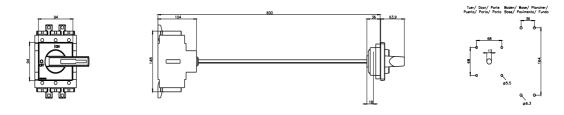
SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, Iu=250 A, operating power / at AC-23 A 400 V: 132 kW, floor mounting with door coupling, knob-operated mechanism, red/yellow, 4-hole mounting of the handle

SENTRON
Switch disconnector
EMERGENCY-STOP switch
1 ON - 0 OFF
Floor mounting with door coupling
selector switch
red
knob-operated mechanism, red/yellow
No
3
5
100 000
6 000
50 1/h
3
690 V
8 kV
690 V
50 Hz
60 Hz
IP65
1, 3R, 4X, 12
IP65
36 W
250 A
250 A
250 A
250 A

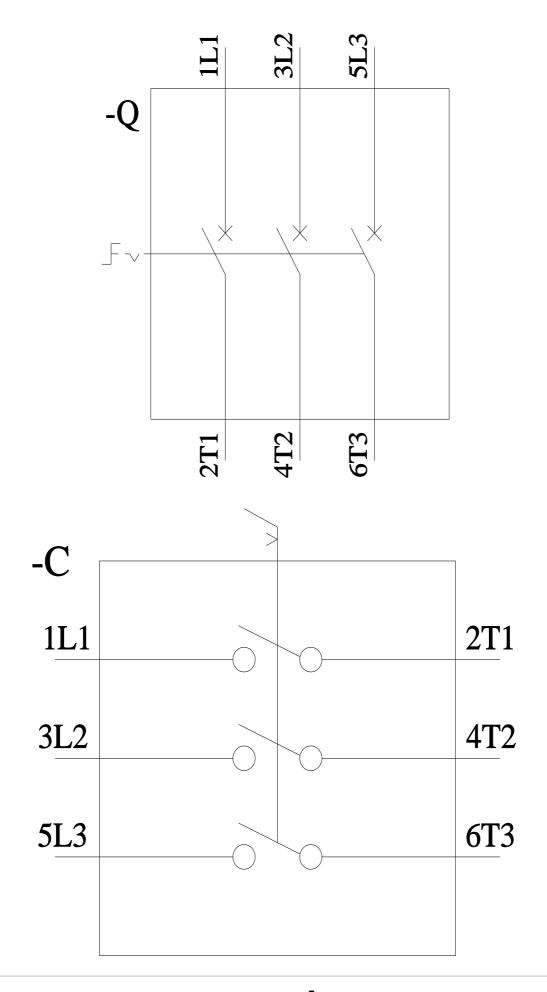
operating power	
operating power • at AC-23 A at 240 V rated value	75 kW
	132 kW
at AC-23 A at 400 V rated value	
at AC-23 A at 440 V rated value	132 kW
• at AC-23 A at 690 V rated value	55 kW
• at AC-3 at 240 V rated value	55 kW
• at AC-3 at 400 V rated value	110 kW
• at AC-3 at 690 V rated value	45 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
insulation voltage of the auxiliary switch rated value	500 V
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 attachable maximum	3
number of connectable NO contacts for auxiliary contacts attachable maximum	5
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 rated value	250 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	100
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
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	1
•	4/0
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16185mm²)
 finely stranded with core end processing 	1x (16150mm²)
stranded	1x (16185mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 finely stranded with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	169 mm
width	112 mm
depth	94 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	Yes
 front mounting with central attachment 	No
rail mounting	No
net weight	2 769 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Approvals Certificates	
General Product Approval	
	Ŭ, LIIL
other Environment	
Miscellaneous Confirmation Environmental firmations	

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2418-0TK13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2418-0TK13 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications







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