SIEMENS

Data sheet 3LD2405-0TK11



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu=250 A, Operating power / at AC-23 A at 400 V: 132 kW, front-mounted, knob-operated mechanism, black, 4-hole mounting of the handle

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	
type of switch	front mounted	
design of the actuating element	selector switch	
color of the actuating element	black	
design of handle	knob-operated mechanism, black	
type of the driving mechanism motor drive	No	
General technical data		
number of poles	3	
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	
Current		
operational current rated value	250 A	
operational current		
 at 40 °C rated value 	250 A	
 at 45 °C rated value 	250 A	
 at 50 °C rated value 	250 A	
• at 55 °C rated value	250 A	

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 operating power 75 kW • at AC-23 A at 240 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 690 V rated value 45 kW	
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at AC-3 at 690 V rated value 45 kW	
Auxiliary circuit	
number of CO contacts for auxiliary contacts	
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	
main switch switch disconnector Yes	
EMERGENCY OFF switch No	
• 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 3	
attachable maximum	
number of connectable NO contacts for auxiliary contacts 3	
attachable maximum	
number of connectable CO contacts for auxiliary contacts attachable maximum	
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 15 kA	
permissible	
12t value with closed switch	
 at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum 557 kA2.s 557 kA2.s 	
• at 440 V for combination switch + gG fuse maximum • 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 fuse gL/gG: 250 A	
required	
• for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A	
required	
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		
minimum	1	
maximum	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 2,5mm²), 1x 4mm switch 1x (0,75 2,5mm²)	²; front auxiliary
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5m switch 1x 2,5mm²	m²; front auxiliary
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm switch 1x (0,75 2,5mm²)	²; front auxiliary
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	2 092 g	
Environmental conditions		
ambient temperature during operation	-25 °C	
• minimum	-25 °C 55 °C	
 maximum ambient temperature during storage 	55 C	
minimum	-25 °C	
maximum	55 °C	
General Product Approval		Declaration of Conformity
		- omorning





Confirmation







Declaration of Conformity	Test Certificates	other



Further information

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=3LD2405-0TK11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD2405-0TK11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

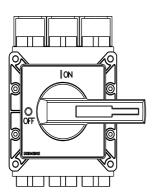
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2405-0TK11

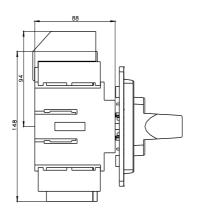
CAx-Online-Generator

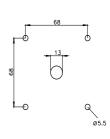
http://www.siemens.com/cax

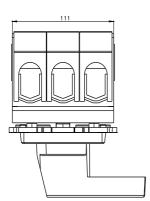
Tender specifications

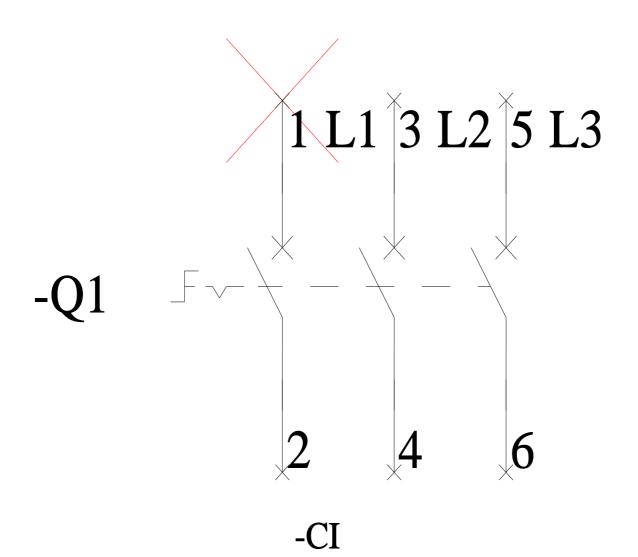
http://www.siemens.com/specifications

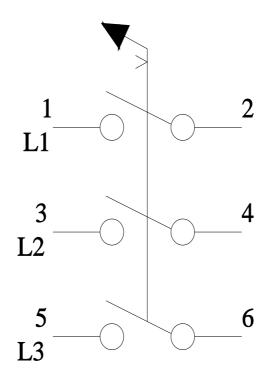












7