SIEMENS

Data sheet 3LD2113-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, floor mounting with door coupling, rotary operating 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	Floor mounting with door coupling
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	3
size of switch disconnector	2
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	1.1 W
Current	
operational current rated value	25 A
operational current	
 at 40 °C rated value 	25 A
 at 45 °C rated value 	25 A
 at 50 °C rated value 	25 A
 at 55 °C rated value 	25 A

Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-33 A at 400 V rated value • at AC-34 At 240 V rated value • at AC-3	
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number of connectable NO contacts for auxiliary contacts 5	
attachable maximum	
number of connectable CO contacts for auxiliary contacts 0 attachable maximum	
number of bracket locks maximum 3	
hasp thickness of the bracket locks 4 8 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 3.5 kA	
• at 440 V for combination switch + gG fuse maximum 3.5 kA	
 at 690 V for combination switch + gG fuse maximum permissible 4 kA 	
12t value with closed switch	
• at 240 V for combination switch + gG fuse maximum 4 kA2.s	
• at 440 V for combination switch + gG fuse maximum 4 kA2.s	
• at 690 V for combination switch + gG fuse maximum 4 kA2.s	
design of the fuse link	
• for short-circuit protection of the main circuit fuse gL/gG: 25 A	
required	
• for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A	
required	
operational current of upstream fuse rated value 25 A	

according III	
according UL	0.5 A
operational current at AC according to UL 508/UL 60947- 4-1 rated value	25 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	10
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	15
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	5 kA
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid	
• maximum	8
• minimum	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (1,516mm²)
 finely stranded with core end processing 	1x (1,510mm²)
• stranded	1x (1,516mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
 for main current circuit 	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	84 mm
width	67 mm
depth	429.5 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	Yes
net weight	410 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	05.00
• minimum	-25 °C
• maximum	55 °C
General Product Approval	



Confirmation







Miscellaneous

General Product Approval Declaration of Conformity Test Certificates Marine / Shipping	
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Special Test Certificate





Marine / Shipping

other



Miscellaneous

Environmental Confirmations

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=3LD2113-0TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2113-0TK51

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2113-0TK51

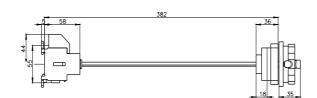
CAx-Online-Generator

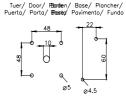
http://www.siemens.com/cax

Tender specifications

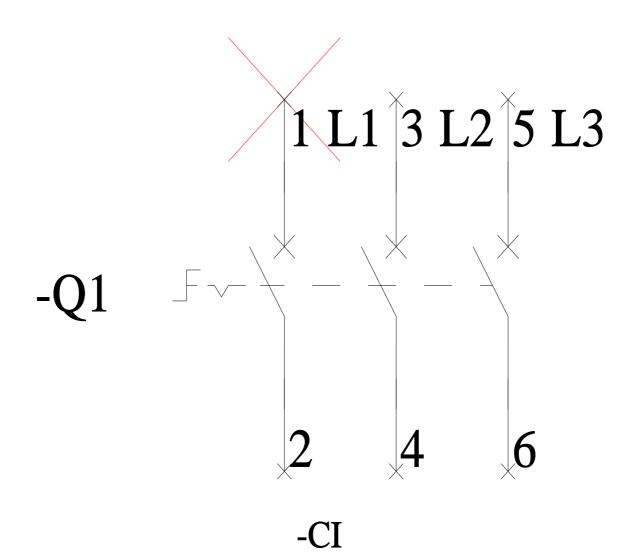
http://www.siemens.com/specifications

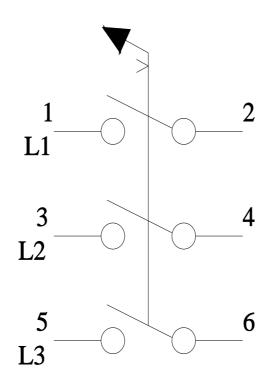












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