SIEMENS

Data sheet 3LD2113-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 25 A, operating power / at AC-23 A 400 V: 9.5 kW, floor mounting with door coupling, rotary operating 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	Floor mounting with door coupling
design of the actuating element	Short rotary knob
color of the actuating element	red
design of handle	rotary operating mechanism, red/yellow
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
Main circuit	
operational current	
at AC-21 at 690 V rated value	25 A
• at AC-21 A at 240 V rated value	25 A
• at AC-21 A at 400 V rated value	25 A
• at AC-21 A at 440 V rated value	25 A

at AC-23 A at 400 V rated value operating power at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-3 At 240 V rated value at AC-3 at 240 V rated value at AC-3 at 240 V rated value at AC-3 at 400 V rated value at AC-3 at 690 V rated value at AC-3 at 690 V rated value 7.5 kW Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum operating voltage of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value Suitability suitability for use main switch	
at AC-23 A at 240 V rated value at AC-23 A at 400 V rated value at AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-3 at 240 V rated value at AC-3 at 240 V rated value at AC-3 at 690 V rated value 7.5 kW Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V Suitability	
at AC-23 A at 400 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-23 A at 690 V rated value at AC-3 at 240 V rated value at AC-3 at 400 V rated value at AC-3 at 690 V rated value at AC-3 at 690 V rated value at AC-3 at 690 V rated value 7.5 kW Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V Suitability	
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operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value Suitability 500 V 500 V	
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V Suitability	
insulation voltage of the auxiliary switch rated value 500 V Suitability	
Suitability	
suitability for use switch disconnector Yes	
suitability for use EMERGENCY OFF switch Yes	
suitability for use safety switch Yes	
suitability for use maintenance/repair switch Yes Product details	
Product details Product facture can be leaked into OFF position. You	
product feature can be locked into OFF position Yes accessories	
product extension optional	
• voltage trigger number of connectable NC contacts for auxiliary contacts 3	
attachable maximum	
number of connectable NO contacts for auxiliary contacts attachable maximum 5	
number of connectable CO contacts for auxiliary contacts 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	
I2t 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 required fuse gL/gG: 25 A	
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	
operational current of upstream fuse rated value 25 A	
according UL	
operational current at AC according to UL 508/UL 60947-4-1 25 A rated value	
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	
short-time withstand current (SCCR) at 600 V according to 5 kA	

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated	50 A
value	
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	8
•	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
lechanical 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	408 g
invironmental conditions	
ambient temperature during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature during storage	
minimum	-25 °C
maximum	55 °C

General Product Approval







Confirmation





General Product Approval

Marine / Shipping

other

Miscellaneous









Miscellaneous

other Environment

<u>Confirmation</u> <u>Environmental Confirmations</u>

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=3LD2113-0TK53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2113-0TK53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=3LD2113-0TK53

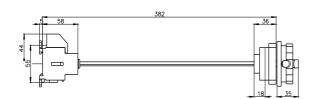
CAx-Online-Generator

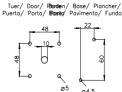
http://www.siemens.com/cax

Tender specifications

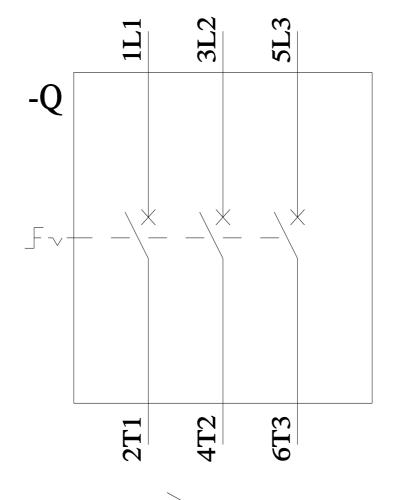
http://www.siemens.com/specifications

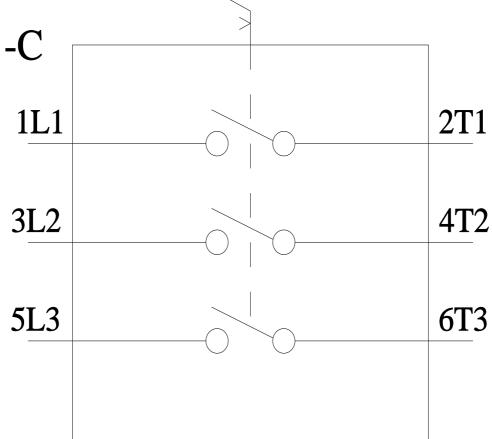












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