# 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	20 A		

operating power	E 144
at AC-23 A at 240 V rated value	5 kW
• at AC-23 A at 400 V rated value	10 kW
• at AC-23 A at 440 V rated value	9.5 kW
<ul> <li>at AC-23 A at 690 V rated value</li> </ul>	10 kW
<ul> <li>at AC-3 at 240 V rated value</li> </ul>	4 kW
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	8 kW
• at AC-3 at 690 V rated value	7.5 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 details	Yes
· ·	
accessories	
product extension optional	Na
• 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 8 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
<ul> <li>at 690 V by gG fuse rated value</li> </ul>	50 kA
let-through current with closed switch	
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	3.5 kA
• at 440 V for combination switch + gG fuse maximum	3.5 kA
<ul> <li>at 690 V for combination switch + gG fuse maximum</li> </ul>	4 kA
permissible	
l2t value with closed switch	
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	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	
<ul> <li>for short-circuit protection of the main circuit required</li> </ul>	fuse gL/gG: 25 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	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	600 V
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	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 of	conductor cross section				
solid maximum		0			
•		8			
•	actions for connor	14			
type of connectable conductor cross-s conductor	sections for copper				
• solid		1x (1,516mm²)			
<ul> <li>finely stranded with core end pr</li> </ul>	rocessing	1x (1,510mm²)			
stranded		1x (1,516mm²)			
type of connectable conductor cross-s	sections for auxiliary				
contacts					
• solid		lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )			
<ul> <li>finely stranded with core end pr</li> </ul>	rocessing	lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup>			
• stranded		lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )			
type of electrical connection		(-,,-,-,-,)			
for main current circuit		box terminal			
<ul> <li>for auxiliary contacts</li> </ul>		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 v	Built-in unit fixed-mounted version		
fastening method					
<ul> <li>4-hole front mounting</li> </ul>		Yes			
<ul> <li>front mounting with central attach</li> </ul>	chment	No			
<ul> <li>rail mounting</li> </ul>		Yes			
net weight		408 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					
		Confirmation	ŝ	$\wedge$	
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EG-Konf.			UL	VDE	
Concerci Dec duct Assured	Marine (Ob)	ing		othor	
General Product Approval	Marine / Shipp	ing		other	
Miscellaneous	1 <b>.</b>	Lloyds	(And and and and and and and and and and a	<b>Miscellaneous</b>	
		Register			
E11	DNV	Uts	PRS		
other Environme	nt				
Confirmation Environmer	ntal Con- Environmental	Con-			
<u>firmation</u> <u>firmati</u>					

#### 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/catalog

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

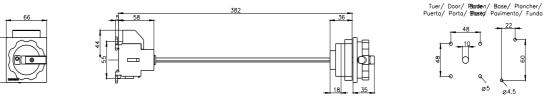
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2113-0TK53

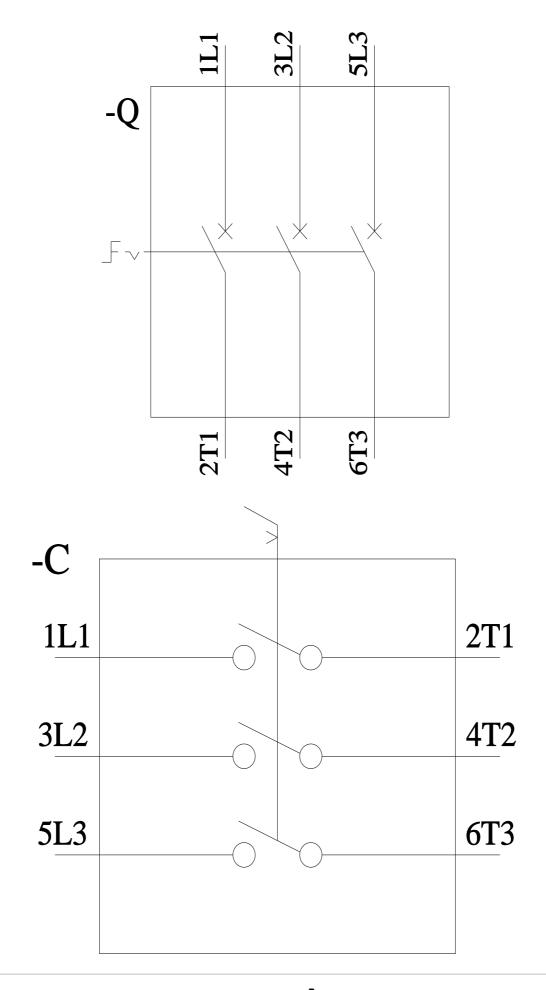
CAx-Online-Generator http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







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