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	
• 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
• at AC-23 A at 690 V rated value	10 kW
at AC-3 at 240 V rated value	4 kW
at AC-3 at 400 V rated value	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
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use main switch	Yes
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 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 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 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 5 kA
short-time withstand current (SCCR) at 600 V according to	

UL 508/UL 60947-4-1							
	upstream fuse accordin	in to UL rated	50 A				
value		ig to oʻz ratoa	0071				
type of fuse according	g to UL		RK5				
Connections			_				
AWG number as code section solid maximu	d connectable conducto	or cross					
•			8				
•			14				
type of connectable conductor	onductor cross-sections	for copper					
solid			1x (1,5 ²	16mm²)			
	ith core end processing		1x (1,510mm ²)				
 stranded 	J			1x (1,516mm ²)			
type of connectable contacts	onductor cross-sections	for auxiliary	X •				
• solid			lateral au (0,75 2	xiliary switch 2x (0,7 2,5mm²)	'5 2,5mm²), 1x 4mm²; fi	ront auxiliary switch 1x	
 finely stranded w 	ith core end processing		lateral au 2,5mm²	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x			
 stranded 			lateral au (0,75 2		5 2,5mm²), 1x 4mm²; f	ront auxiliary switch 1x	
type of electrical connection	ction						
 for main current of 	circuit		box terminal				
 for auxiliary containing 	acts		connectio	on terminals			
Mechanical Design							
height			84 mm				
width			67 mm				
depth			429.5 mn				
type of device			fixed mou	Ũ			
fastening method			Built-in ur	nit fixed-mounted ver	rsion		
fastening method							
 4-hole front mour 	÷		Yes				
	ith central attachment		No				
rail mounting			Yes				
net weight Environmental conditio	20		408 g				
			_				
 ambient temperature of minimum 	during operation		-25 °C				
• maximum			-25°C 55 °C				
ambient temperature	during storage		55 0				
minimum	ading storage		-25 °C				
• maximum			-23°C				
Approvals Certificates			00 0				
General Product App	roval		_				
	~ ~	ЦK		Confirmation	Ē		
(\mathbf{u})		UK			(VL)	∠ <u>d'e</u>	
ccc	EG-Konf.				UL	VDE	
General Product App	roval	Marine / Shippi	ng			other	
Miscellaneous		0.0				Miscellaneous	
Miscellaneous	FAL	ŤŴ		Lloyd's Register		Miscellaneous	
	LIIL	DNV		LRS	PRS		
other	Environment						
Julei	Environment						
Confirmation	Environmental Con- firmations	Environmental (firmations	<u>Con-</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/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

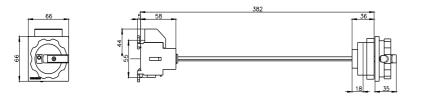
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2113-0TK53

CAx-Online-Generator

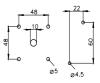
http://www.siemens.com/cax

Tender specifications

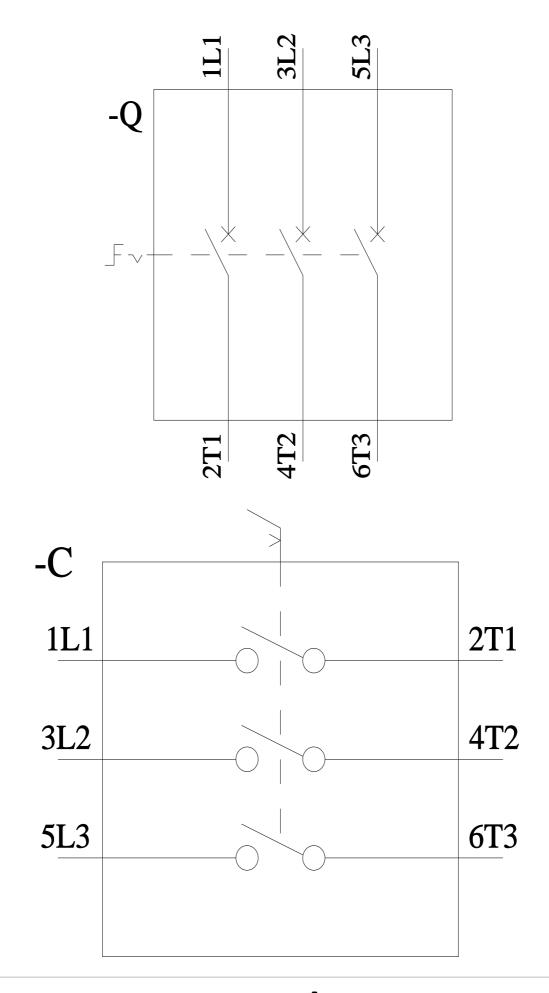
http://www.siemens.com/specifications











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