# SIEMENS

## Data sheet

## 3LD2213-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 32 A, operating power / at AC-23 A 400 V: 11.5 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					
<ul> <li>at AC rated value</li> </ul>	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	1.8 W				
Main circuit					
operational current					
• at AC-21 at 690 V rated value	32 A				
• at AC-21 A at 240 V rated value	32 A				
• at AC-21 A at 400 V rated value	32 A				
• at AC-21 A at 440 V rated value	32 A				

• at AC-23 A at 400 V rated value	22 A
operating power	
at AC-23 A at 240 V rated value	6 kW
• at AC-23 A at 400 V rated value	12 kW
• at AC-23 A at 440 V rated value	11.5 kW
at AC-23 A at 690 V rated value	12 kW
at AC-3 at 240 V rated value	5.5 kW
at AC-3 at 400 V rated value	10 kW
at AC-3 at 690 V rated value	9.5 kW
Auxiliary circuit	0.0 KW
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	
	Yes
suitability for use main switch 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	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	4.5 kA
• at 440 V for combination switch + gG fuse maximum	4.5 kA
<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> </ul>	5 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	9 kA2.s
• at 440 V for combination switch + gG fuse maximum	9 kA2.s
• at 690 V for combination switch + gG fuse maximum	9 kA2.s
design of the fuse link	
• for short-circuit protection of the main circuit required	fuse gL/gG: 40 A
<ul> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A
for short-circuit protection of the main circuit required     for short-circuit protection of the auxiliary switch required     operational current of upstream fuse rated value	
for short-circuit protection of the main circuit required     for short-circuit protection of the auxiliary switch required     operational current of upstream fuse rated value     according UL	fuse gL/gG: 10 A 40 A
for short-circuit protection of the main circuit required         of short-circuit protection of the auxiliary switch required         operational current of upstream fuse rated value         according UL         operational current at AC according to UL 508/UL 60947-4-1         rated value	fuse gL/gG: 10 A 40 A 32 A
for short-circuit protection of the main circuit required         of short-circuit protection of the auxiliary switch required         operational current of upstream fuse rated value         according UL         operational current at AC according to UL 508/UL 60947-4-1         rated value         operating voltage at AC at 50/60 Hz according to UL 508/UL         60947-4-1 rated value	fuse gL/gG: 10 A 40 A 32 A 600 V
for short-circuit protection of the main circuit required         of short-circuit protection of the auxiliary switch required         operational current of upstream fuse rated value         according UL         operational current at AC according to UL 508/UL 60947-4-1         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	fuse gL/gG: 10 A 40 A 32 A 600 V 20
for short-circuit protection of the main circuit required         of short-circuit protection of the auxiliary switch required         operational current of upstream fuse rated value         according UL         operational current at AC according to UL 508/UL 60947-4-1         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	fuse gL/gG: 10 A 40 A 32 A 600 V

UL 508/UL 60947-4-1							
	upstream fuse accordin	o to UL rated	80 A				
value		3					
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 c	onductor cross-sections	for copper					
<ul> <li>solid</li> </ul>			1x (1,5	16mm²)			
<ul> <li>finely stranded w</li> </ul>	ith core end processing		1x (1,5	1x (1,510mm²)			
<ul> <li>stranded</li> </ul>			1x (1,5	1x (1,516mm <sup>2</sup> )			
type of connectable c contacts	onductor cross-sections	for auxiliary					
<ul> <li>solid</li> </ul>			lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)				
·	ith core end processing		2,5mm²		5 1,5mm²), 1x 2,5mm²;		
<ul> <li>stranded</li> </ul>			lateral au (0,75 2		5 2,5mm²), 1x 4mm²; fi	ront auxiliary switch 1x	
type of electrical conne	ction						
<ul> <li>for main current</li> </ul>	circuit		box term	inal			
<ul> <li>for auxiliary containing</li> </ul>	acts		connectio	on terminals			
Mechanical Design							
height			83 mm				
width			67 mm				
depth			451.5 mr				
type of device			fixed mou	0			
fastening method			Built-in u	nit fixed-mounted ver	rsion		
fastening method							
• 4-hole front mou	-		Yes				
	ith central attachment		No				
rail mounting			Yes				
net weight Environmental conditio	20		410 g				
			_				
<ul> <li>ambient temperature (</li> <li>minimum</li> </ul>	uuning operation		-25 °C				
• maximum			-23°C 55 °C				
ambient temperature	during storage		55 0				
minimum	auning storage		-25 °C				
• maximum			55 °C				
Approvals Certificates			00 0				
General Product App	roval						
		שוו		Confirmation	0	~	
(000)	(F	UK			(UL)	DE	
<u> </u>	EG-Konf.						
ccc	eo-son.				01	VDE	
General Product App	roval	Marine / Shippi	ing			other	
<u>Miscellaneous</u>	EHC			Lloyd's Register urs	PRS	<u>Miscellaneous</u>	
other	Environment						
Confirmation	Environmental Con- firmations	Environmental ( firmations	Con-				
	mmauons	mmations					

### 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=3LD2213-0TK53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2213-0TK53

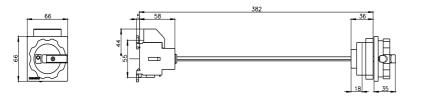
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2213-0TK53

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

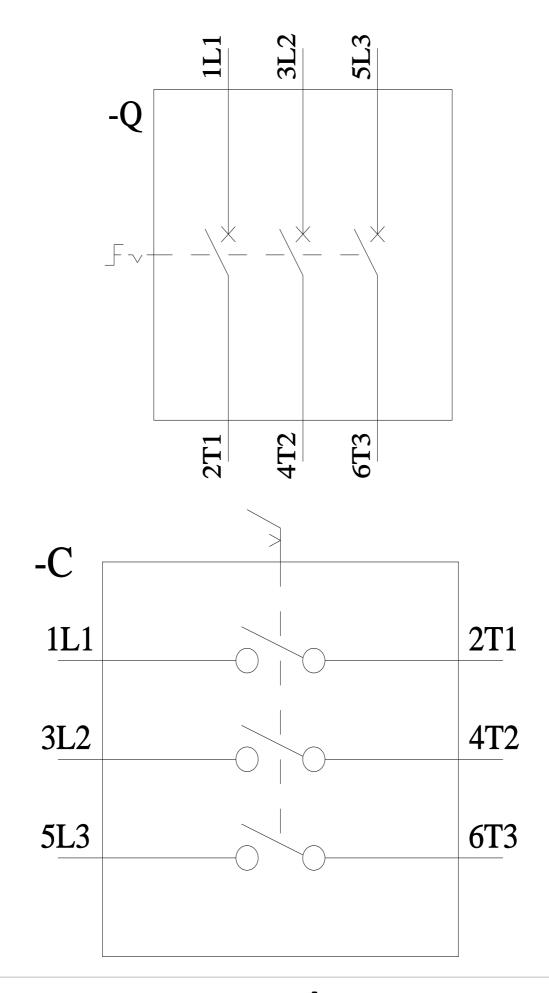
http://www.siemens.com/specifications











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