## SIEMENS

## Data sheet

## 3LD2714-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 100 A, operating power / at AC-23 A 400 V: 37 kW, floor mounting with door coupling, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

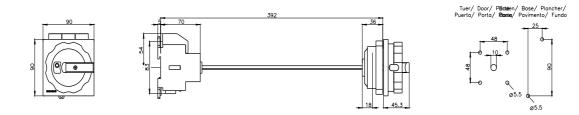
Model					
product brand name	SENTRON				
product designation	Switch disconnector				
design of the product	EMERGENCY-STOP switch				
display version for switch position indicator manual operation	1 ON - 0 OFF				
type of switch	Floor mounting with door coupling				
design of the actuating element	Short 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	4				
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	7.5 W				
Main circuit					
operational current					
• at AC-21 at 690 V rated value	100 A				
• at AC-21 A at 240 V rated value	100 A				
• at AC-21 A at 400 V rated value	100 A				
• at AC-21 A at 440 V rated value	100 A				
• at AC-23 A at 400 V rated value	70 A				

operating power	
• at AC-23 A at 240 V rated value	18.5 kW
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	37 kW
<ul> <li>at AC-23 A at 440 V rated value</li> </ul>	37 kW
<ul> <li>at AC-23 A at 690 V rated value</li> </ul>	30 kW
<ul> <li>at AC-3 at 240 V rated value</li> </ul>	18.5 kW
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	30 kW
<ul> <li>at AC-3 at 690 V rated value</li> </ul>	22 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
switch disconnector	Yes
EMERGENCY OFF switch	Yes
safety switch	Yes
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	3
attachable maximum	
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>	10 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	10 kA
<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> </ul>	10 kA
I2t value with closed switch	
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	64 kA2.s
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> </ul>	64 kA2.s
<ul> <li>at 690 V for combination switch + gG fuse maximum</li> </ul>	64 kA2.s
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit required</li> </ul>	fuse gL/gG: 100 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	100 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	100 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	60
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	75
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	10 kA

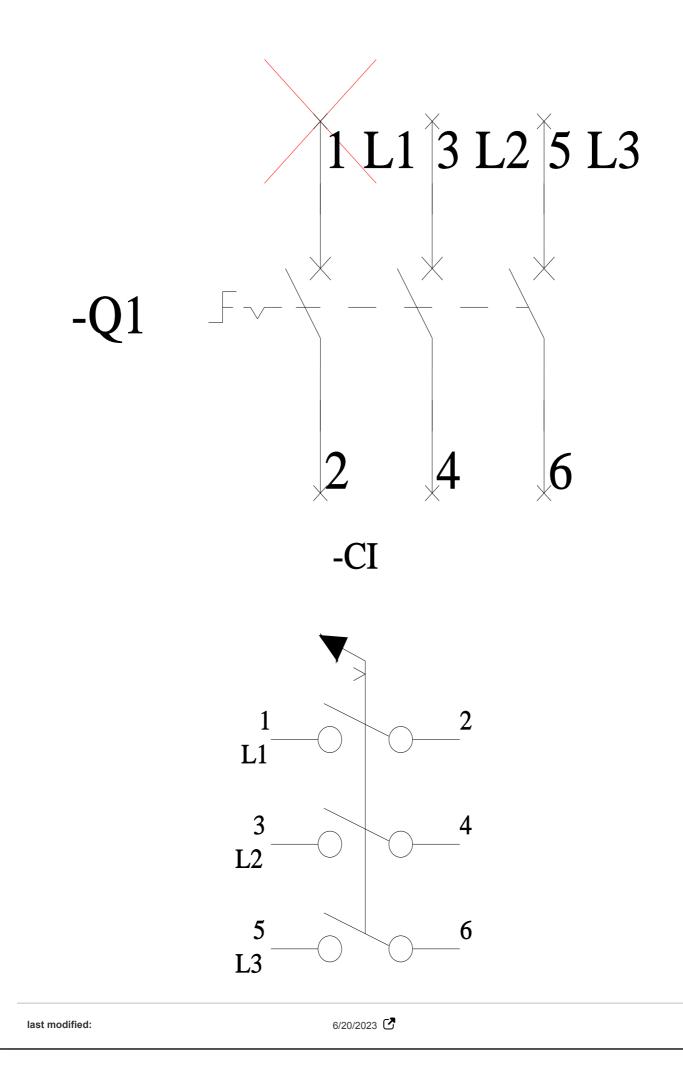
continuous current of up	ostream fuse according to	UL rated value	200 A				
type of fuse according to	-		RK5				
Connections	0.01		Tato				
	connectable conductor cr	ross section	_				
maximum			1				
minimum			12				
	ductor cross-sections for	copper					
<ul> <li>solid</li> </ul>			1x (4	.50mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>			1x (435mm <sup>2</sup> )				
• stranded			1x (450mm <sup>2</sup> )				
type of connectable con contacts	ductor cross-sections for	auxiliary					
• solid	• 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</li> </ul>	ith core end processing		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>				
<ul> <li>stranded</li> </ul>			lateral	eral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x 75 2,5mm²)			
type of electrical connect	ction		(.,				
<ul> <li>for main current of</li> </ul>			box te	rminal			
<ul> <li>for auxiliary containing</li> </ul>				ction terminals			
Mechanical Design							
height			106 m	m			
width			90 mm				
depth			470.5 mm				
type of device							
fastening method			fixed mounting Built-in unit fixed-mounted version				
fastening method			Duint II	i unit fixed mounted ver	51011		
	ntina		Yes				
<ul><li> 4-hole front mounting</li><li> front mounting with central attachment</li></ul>			No				
<ul> <li>rail mounting</li> </ul>			Yes				
net weight			743 g				
Environmental condition	ne		740 g				
		_	_				
ambient temperature du	ining operation		25 °C				
• minimum			-25 °C				
maximum	ving storage		55 °C				
ambient temperature du	inng storage		05 °C				
• minimum			-25 °C				
maximum			55 °C				
General Product Appr	oval						
	<u>Confirmation</u>					<u>Miscellaneous</u>	
General Product Ap- proval	Declaration of Confor	mity		Test Certificates	Marine / Shipping		
		שוו		Special Test Certific-		Contraction And	
EHC	EG-Konf.	UK CA		<u>ate</u>		DNV-GL ENVILLEDER	
other		Environment					
Miscellaneous	<b>Confirmation</b>	Environmental C	Con-				
		<u>firmations</u>					

## Further information Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). 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:// all.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2714-0TK53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2714-0TK53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2714-0TK53 CAx-Online-Generator http://www.siemens.com/cax **Tender specifications**

http://www.siemens.com/specifications







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