SIEMENS

Data sheet

Model

3LD2113-1TL53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4pole, 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	3LD 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	4
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
Current	
operational current rated value	25 A
operational current	
 at 40 °C rated value 	25 A
• at 45 °C rated value	25 A
 at 50 °C rated value 	25 A
● at 55 °C rated value	25 A

Name State operational current 25 Å = 4 A C 21 A 80 V rade value 25 Å = 4 A C 21 A 18 40 V rade value 25 Å = 4 A C 21 A 18 40 V rade value 25 Å = 4 A C 21 A 18 40 V rade value 25 Å = 4 A C 21 A 18 40 V rade value 25 Å = 4 A C 23 A 18 40 V rade value 20 Å operating power 5 MV = 1 A C 23 A 18 40 V rade value 9 KW = 4 A C 23 A 18 40 V rade value 9 KW = 4 A C 23 A 18 40 V rade value 9 KW = 4 A C 23 A 18 40 V rade value 7.5 KW = 4 A C 23 A 18 40 V rade value 7.5 KW = 4 A C 23 A 18 40 V rade value 7.5 KW = 4 A C 23 A 18 40 V rade value 7.5 KW = 4 A C 23 A 18 40 V rade value 7.5 KW = A A C 23 A 18 40 V rade value 7.5 KW = A A C 23 A 18 40 V rade value 7.5 KW = A A C 23 A 18 40 V rade value 7.5 KW = A A C 23 A 18 40 V rade value 7.5 KW = A A C 23 A 18 40 V rade value 7.5 KW = A A C 23 A 18 40 V rade value 7.5 KW	• at AC rated value	25 A
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 for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 25 A fuse gL/gG: 10 A 	 at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum 	4 kA 4 kA2.s 4 kA2.s
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	 at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 	4 kA 4 kA2.s 4 kA2.s
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operational current at AC according to UL 508/UL 6074-7 25 A 4 - Tated value 500 V operating voltage at AC at 50/00 Fiz according to UL 500 V 362/UL 6074-7 -1 rated value 10 active power (hp) at AC at 480 V seconding to UL 508/UL 10 608/74-1 rated value 5 KA active power (hp) at AC at 480 V seconding to UL 508/UL 5 KA UL 508/UL 6074-74-1 50 A continuous current of upstream fuse according to UL rated value 5 A • Inimum 14 • Initial standed with core end processing 14 • Initial stand current circuit 16 • Initial stand current circuit 16 • Initial stand current circuit 17 • Initial conditions contaits 26 mm • Initial morent circuit 16	according UL	
4-1 rated value generating voltage at AC at 50/60 Hz according to UL S08UL 60947-4-1 rated value active power (hp) at AC at 400 V according to UL 508UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 508UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 508UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00947-4-1 rated value active power (hp) at AC at 400 V according to UL 608UL 00940-4-1 rated value 0-1 rate datable conductor cross-sections for auxiliary 0-1 rate datable conductor cross- 0-1 rate datable conductor		25 A
active prover (http) = A.C. #40.V according to UL 508.UL. 10 active prover (http) = A.C. #40.V according to UL 508.UL. 15 SMAP-4.1 = 100 54.A continuous current of upstream fuse according to UL acted allue. 50.A RMS RMS ending book for the according to UL 70.A AVG number as coded connectable conductor cross sectioned 8 ending for according to UL 70.A	4-1 rated value operating voltage at AC at 50/60 Hz according to UL	600 V
active power (hp) at A.2 at 600 V according to UL 508UL 15 Sold Short-Inter (ISCCR) at 600 V according to UL rated value 5 NA LISSUEL GORF-A-1 50 A continuous current of upstream fuse according to UL rated value 50 A Pre of fuse according to UL 7K5 Contentions 8 • ransimum 8 • animum 14 • animum 15 • animum 14 • animum 15 • animum 25 • animum 25	active power [hp] at AC at 480 V according to UL 508/UL	10
abort-fine withstand current (SCCR) at 600 V according to UL rated solutions current of upstream fuse according to UL rated solutions current of upstream fuse according to UL rated solutions current of upstream fuse according to UL rated solutions and the solution of the	active power [hp] at AC at 600 V according to UL 508/UL	15
screen business survent of upstream fuse according to UL rated by of fuse according to UL Refs Connections AWS number as coded conductor cross section solid AWS number as coded conductor cross-sections for copper conductor Pype of connectable conductor cross-sections for copper conductor a solid A (1.516mm?) 1x (1.516m	short-time withstand current (SCCR) at 600 V according to	5 kA
type of fuse according to UL RKS Connections 8 AWS numbers as coded connectable conductor cross section sold 8 Imaintum 14 Vpe of connectable conductor cross-sections for copper contacts 14 Vpe of connectable conductor cross-sections for auxiliary stranded 1x (1.516mm ²) tx (1.516mm ²) Vpe of connectable conductor cross-sections for auxiliary stranded 1x (1.516mm ²) tx (1.516mm ²) Inely stranded with core end processing 1 Interial auxiliary switch 2x (0.75 2.5mm ²), 1x 4mm ² , front auxiliary switch 1x (0.75 2.5mm ²), 1x 4mm ² , front auxiliary switch 1x (0.75 2.5mm ²) Vpe of electrical connection 25 mm ² If or auxiliary switch 2x (0.75 2.5mm ²), 1x 4mm ² , front auxiliary switch 1x (0.75 2.5mm ²) Vpe of device fastering method 9 If or auxiliary contacts connection terminals Vpe of device fastering method 9 If out mounting 9 Vpe of device fastering method 9 If out mounting 25 °C Iminimum 25 °C	continuous current of upstream fuse according to UL rated	50 A
Connections AWG number as coded connectable conductor cross section solid 8 • maximum 14 type of connectable conductor cross-sections for copper conductor 14 • solid 1x (1.516mm?) • sind 1x (1.516mm?) • stranded 1x (1.516mm?) • finely stranded with core end processing 1x (1.516mm?) • finely stranded with core end processing 1x (1.516mm?) • finely stranded with core end processing Isteral auxiliary switch 2x (0.75 2.5mm?), 1x 4mm?, front auxiliary switch 1x (0.75 2.5mm?) • stranded Isteral auxiliary switch 2x (0.75 2.5mm?), 1x 4mm?, front auxiliary switch 1x (0.75 2.5mm?), 1x 4mm?, front auxiliary switch 1x (0.75 2.5mm?) Vipe of decirical connection 60 r mm • for auxiliary contacts connection terminals Mechanical Design 64 mm height 67 mm • for auxiliary contacts connection terminals Methanical Design 64 mm • for numiting Yes • for numiting Yes • for numiting Yes • for numiting Yes • rain mounting 25 ° C		RK5
section solid • maximum • maximum • minimum • minimum • solid • forley stranded with core and processing • stranded • solid • forley stranded with core and processing • solid • soli		
• minimum 14 type of connectable conductor cross-sections for copper conducts 1x (1.516mm ³) • sind 1x (1.516mm ³) 1x (1.516mm ³) 1x (1.516mm ³) 1x (1.516m ³) 1x (1.516m ³) 1x (1.516m ³) 1x (1.516m ³) 1x (1.516m ³) 1x (1.516m ³) 1x (1.5		
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conductor in (1, 5,	• minimum	14
• finely stranded with core end processing 1x (1,510mm ³) • stranded 1x (1,510mm ³) • stranded 1x (1,510mm ³) • solid 1x (1,510mm ³) • stranded with core end processing 1x (1,510mm ³) • stranded 1x (1,510m ³) • train current circuit 50 x terminal • of run mounting Yes • for nt mounting Yes • for nt mo		
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type of connectable conductor cross-sections for auxiliary contacts iateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x (0,75 2,5mm²) i solid iateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm², front auxiliary switch 1x 2,5mm² i stranded iateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm², front auxiliary switch 1x 2,5mm² i stranded iateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm², front auxiliary switch 1x 2,5mm² t of or auxiliary contacts box terminal or or auxiliary contacts connection terminals Mechanical Design 67 mm height 429,5 mm type of device frow mounting i four numulting Yes i four numulting Yes i four numulting operation -25 °C i maximum -25 °C ambient temperature during operation 55 °C i maximum -25 °C i maximum 55 °C <td></td> <td></td>		
• solid lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x 2, 5m² • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x 2, 5m² • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x 0,75 2,5mm²) • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) • stranded switch 1x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) • stranded switch 1x (0,75 2,5mm²) • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) • stranded switch 1x (0,75 2,5mm²) • for auxiliary contacts connection terminal • for auxiliary contacts connection terminals Method 67 mm depth 429.5 mm type of device fixed mounting • fort mounting Yes • fort mounting with central attachment No • rail mounting Yes ambient temperature during operation -25 °C • maximum -25 °C • maximum 55 °C • maximum	type of connectable conductor cross-sections for auxiliary	1x (1,516mm ⁺)
• finely stranded with core end processing Iateral auxiliary switch 2x (0,75 1,5mm³), 1x 2,5mm³; front auxiliary switch 1x 2,5mm³ • stranded Iateral auxiliary switch 2x (0,75 2,5mm³), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²). type of electrical connection • for main current circuit • for auxiliary contacts connection terminals Mechanical Design 84 mm witch 1x 2,5mm² stranded witch 1x 2,5mm² witch 1x 2,5mm²). height 84 mm witch 2x (0,75 2,5mm²). tateral auxiliary switch 2x (0,75 2,5mm²). height connection terminals Mechanical Design 67 mm witch 1x 2,5mm² for auxiliary switch 2x (0,75 2,5mm²). height 429,5 mm witch 1x 420,5 mm Built-in unit fixed-mounted version fastening method Built-in unit fixed-mounted version if astening method Yes if or mounting with central attachment No if and uniting Yes ambient temperature during operation -25 °C imainum -25 °C imainum -25 °C imainum -25 °C imainum </td <td></td> <td></td>		
switch 1x (0,75 2,5mm ²) type of electrical connection • for main current circuit • for auxiliary contacts box terminal connection terminals Mechanical Design height height depth dep	• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary
• for main current circuit box terminal • for auxiliary contacts connection terminals Mechanical Design stammal height 84 mm width 67 mm depth 429.5 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version • fornt mounting with central attachment No • fornt mounting with central attachment No • arit mounting Yes net weight 445 g Environmental conditions 55 °C ambient temperature during operation -25 °C • minimum -25 °C • maximum 55 °C General Product Approval Confirmation	stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 for auxiliary contacts connection terminals Height Add mm <	type of electrical connection	
Mechanical Design height 84 mm width 67 mm depth 429.5 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version 4-hole front mounting Yes • front mounting with central attachment No • rail mounting Yes mounting with central attachment No • rail mounting Yes net weight 445 g Environmental conditions -25 °C ambient temperature during operation -25 °C • minimum -25 °C • maximum 55 °C ambient temperature during storage -25 °C • maximum 55 °C General Product Approval Miscellaneous		
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	General Product Approval	
Conoral Product		DIN UL VDE Miscellaneous
General Product Approval Declaration of Conformity Test Certificates Marine / Shipping	General Product Declaration of Conformity	Test Certificates Marine / Shipping





UK

Special Test Certificate





Marine / Shipping



Environmental Con-

firmations

other

Miscellaneous

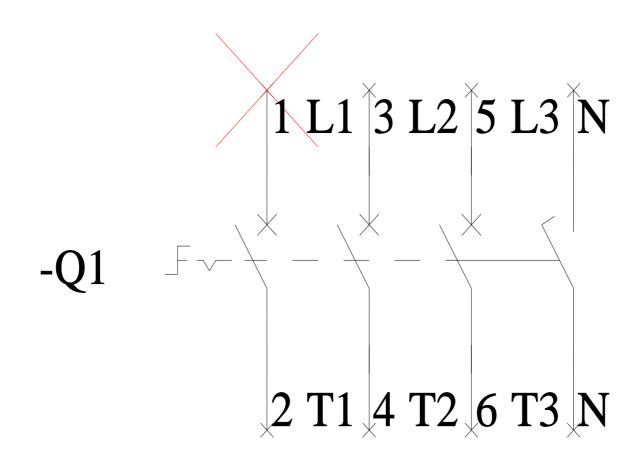
Further information

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=3LD2113-1TL53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2113-1TL53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2113-1TL53 CAx-Online-Generator http://www.siemens.com/cax Tender specifications

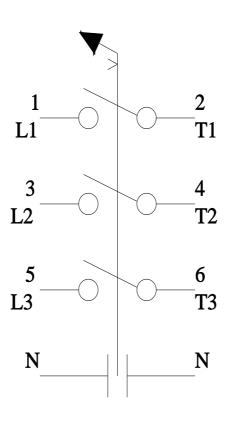
http://www.siemens.com/specifications







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