SIEMENS

Data sheet

3LD2154-1TP53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, lu: 25 A, operating power / at AC-23 A 400 V: 9.5 kW, front-mounted, 1 NC, 1 NO, rotary operating mechanism, Red / yellow, Central mounting 22.5 mm 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		
design of the actuating element	Short rotary knob		
design of handle	rotary operating mechanism, red/yellow		
type of the driving mechanism / motor drive	No		
General technical data			
number of poles	3		
type of device	fixed mounting		
type of switch	front mounted		
size of switch disconnector	2		
mechanical service life (switching cycles) / typical	100 000		
electrical endurance (switching cycles)			
• at AC-23 A / at 690 V	6 000		
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	4 kA2.s		
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 kA2.s		
operating frequency / maximum	50 1/h		
Voltage			
insulation voltage / rated value	690 V		
surge voltage resistance / rated value	6 kV		
operational current / at AC / rated value	25 A		
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		
 per conductor / typical 	1.1 W		
Current			
operational current			
• at AC-23 A / at 400 V / rated value	20 A		

e at AC 21 / at 600 V / rated value	25 A
• at AC-21 / at 690 V / rated value	25 A
 at AC-21 A / at 240 V / rated value at AC 21 A / at 440 V / rated value 	25 A 25 A
at AC-21 A / at 440 V / rated value	25 A 25 A
operational current / of upstream fuse / rated value let-through current / with closed switch	20 A
• at 440 V / for combination switch + gG fuse /	3.5 kA
maximum ● at 690 V / for combination switch + gG fuse /	3.5 kA
maximum permissible	
Main circuit	
operating power	
 at AC-23 A / at 240 V / rated value 	5 kW
 at AC-23 A / at 400 V / rated value 	9.5 kW
 at AC-23 A / at 440 V / rated value 	9.5 kW
 at AC-23 A / at 690 V / rated value 	9.5 kW
 at AC-3 / at 240 V / rated value 	4 kW
 at AC-3 / at 400 V / rated value 	7.5 kW
 at AC-3 / at 690 V / rated value 	7.5 kW
operational current / rated value	25 A
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	1
number of NO contacts / for auxiliary contacts	1
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
Appearance	
	red
color / of the actuating element	red
Product details	
 product function / can be locked into OFF position 	Yes
number of bracket locks / maximum	3
hasp thickness / of the bracket locks / minimum	4 mm
hasp thickness / of the bracket locks / maximum	8 mm
product extension / optional	
motor drive	No
 voltage trigger 	No
Short circuit	
conditional short-circuit current / with line-side fuse protection	
• at 690 V / by gG fuse / rated value	50 kA
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
508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according	
508/UL 60947-4-1 / rated value	15

type of fuse / according to UL RK6 umber of connectable NC contacts / for auxiliary contacts / attachable / maximum 1 number of connectable NC contacts / for auxiliary contacts / attachable / maximum 1 valtachable / maximum 0 of attachable / maximum 0 valtachable / maximum 0 valtachable / maximum 0 valtachable / maximum 8 valtachable / maximum 8 valtachable / maximum 14 Vipre of connectable Conductor cross-sections / for coopert conductor 14 vistanded 1x (1.516mm ^a) vistanded 1x (1.516mm ^a) vistanded xx (0.75 2.5 mm ^a), 1x 4 mm ^a vistanded 2x (0.75 2.5 mm ^a), 1x 4 mm ^a vistanded y (0.75 1.5 mm ^a), 1x 2.5 mm ^a vistanded y (0.75 1.5 mm ^a), 1x 2.5 mm ^a vistanded y (0.75 1.5 mm ^a), 1x 2.5 mm ^a vistanded y (0.75 1.5 mm ^a), 1x 4 mm ^a vistanded y (0.75 1.5 mm ^a), 1x 2.5 mm ^a vistanded y (0.75 1.5 mm ^a), 1x 2.5 mm ^a vistanded y (0.75	rated value	-			
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Declaration of Conformity	Test Certificates	Marine / Shipping		other
CE EG-Konf.	<u>Special Test</u> <u>Certificate</u>	Llovds Register us	PRS	Environmental Confirmations

Further information

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=3LD2154-1TP53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2154-1TP53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2154-1TP53

Tender specifications

http://www.siemens.com/specifications











