SIEMENS

Data sheet 3LD2054-1TP51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, front-mounted, 1 NC, 1 NO, rotary operating mechanism, black, Central mounting 22.5 mm of the handle

Model	
product brand name	SENTRON
Product designation	3LD Switch disconnector
Design of the product	Main switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of the operating mechanism	Short rotary knob
Design of handle	rotary operating mechanism, black
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	1
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	2.5 kA2.s

Let-through [21 value / with closed switch / at 440 V / for combination switch + g G key / maximum Mechanical service life (switching cycles) / typical Operating frequency / maximum 50 1/h Voltage Insulation voltage / rated value		
Notage Insulation voltage / rated value 690 V	Let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	2.5 kA2.s
Insulation voltage / rated value	Mechanical service life (switching cycles) / typical	100 000
Insulation voltage / rated value	Operating frequency / maximum	50 1/h
Surge voltage resistance / rated value 16 kV Operating current / at AC / rated value 690 V Protection class Protection class IP IP65 Degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP IP65 Dissipation Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical o.5 W Current Operating current • at AC-23 A / at 690 V / rated value 16 A	Voltage	
Operating current / at AC / rated value 690 V Protection class IP Protection class IP 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 • per conductor / typical 0.5 W Current • at AC-23 A / at 490 V / rated value 16 A	Insulation voltage / rated value	690 V
Operating voltage • at AC / at 50/60 Hz / rated value 690 V Protection class IP 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 • per conductor / typical Ourrent Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 400 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 440 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-30 A / at 240 V / rated value • a	Surge voltage resistance / rated value	6 kV
Protection class Protection class IP IP65 Degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP IP65 Dissipation Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical 0.5 W Current Operating current • at AC-23 A / at 690 V / rated value 16 A	Operating current / at AC / rated value	16 A
Protection class IP Degree of protection NEMA rating protection class IP	Operating voltage	
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 • per conductor / typical 0.5 W Current Operating current • at AC-23 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 A / at 400 V / rated value 16 A • at AC-21 A / at 400 V / rated value 16 A • at AC-21 A / at 400 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at A	• at AC / at 50/60 Hz / rated value	690 V
Degree of protection NEMA rating	Protection class	
protection class IP / on the front Dissipation Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical Operating current Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-22 A / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-24 A / at 240 V / rated value • at AC-25 A / at 240 V / rated value • at AC-26 A / at 240 V / rated value • at AC-27 A / at 240 V / rated value • at AC-28 A / at 240 V / rated value • at AC-29 A / at 240	Protection class IP	IP65
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-24 A / at 690 V / rated value • at AC-27 A / at 690 V / rated value • at AC-27 A / at 240 V / rated value • at AC-27 A / at 240 V / rated value • at AC-27 A / at 240 V / rated value • at AC-28 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-20 A / at 240 V / rated value • at AC-20 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-20 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-30 A / at 440 V / rated va		1, 3R, 4X, 12
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-24 / at 690 V / rated value • at AC-27 / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 440 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-25 A / at 240 V / rated value • at AC-26 A / at 240 V / rated value • at AC-27 A / at 240 V / rated value • at AC-28 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A / at 240 V / rated value • at AC-29 A	protection class IP / on the front	IP65
for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical Operating current Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-22 A / at 690 V / rated value • at AC-22 A / at 690 V / rated value • at AC-22 I / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at 440 V / for combination switch • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value	Dissipation	
operating state / per pole • per conductor / typical Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-22 A / at 690 V / rated value • at AC-22 A / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value	Power loss [W]	
Operating current		0.5 W
Current Operating current • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 400 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 240 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-21 A / at 440 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-33 A / at 240 V / rated value 20 A let-through current / of upstream fuse / rated value 20 A let-through current / with closed switch • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) • limited to 1 s / rated value 340 A • at 690 V / limited to 1 s / rated value 340 A	operating state / per pole	
Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 400 V / rated value • at AC-22 A / at 690 V / rated value • at AC-21 A it 690 V / rated value • at AC-21 A it 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value Short-time with closed switch • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value • at 690 V / limited to 1 s / rated value	• per conductor / typical	0.5 W
 at AC-23 A / at 690 V / rated value at AC-23 A / at 400 V / rated value at AC-22 A / at 690 V / rated value at AC-21 A f 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-93 A / at 440 V / rated value at AC-93 A / at 440 V / rated value at AC-93 A / at 440 V / rated value at 460 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value at 690 V / limited to 1 s / rated value 	Current	
at AC-23 A / at 400 V / rated value at AC-22 A / at 690 V / rated value at AC-21 / at 690 V / rated value at AC-21 / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value beta AC-23 A / at 440 V / rated value coperating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A	Operating current	
at AC-22 A / at 690 V / rated value at AC-21 / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value be at AC-23 A / at 440 V / rated value comparison ourrent / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A	• at AC-23 A / at 690 V / rated value	9 A
 at AC-21 / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 440 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value Operating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (Icw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A at 690 V / limited to 1 s / rated value 	• at AC-23 A / at 400 V / rated value	16 A
at AC-21 A / at 240 V / rated value at AC-21 A / at 440 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value be at AC-23 A / at 440 V / rated value coperating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A	• at AC-22 A / at 690 V / rated value	16 A
 at AC-21 A / at 440 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value Operating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A at 690 V / limited to 1 s / rated value 	• at AC-21 / at 690 V / rated value	16 A
at AC-22 A / at 240 V / rated value at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value beta through current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A at 690 V / limited to 1 s / rated value 340 A	• at AC-21 A / at 240 V / rated value	16 A
at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value 16 A Operating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) Ilimited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A	• at AC-21 A / at 440 V / rated value	16 A
at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value 16 A Operating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) Ilimited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A	• at AC-22 A / at 240 V / rated value	16 A
at AC-23 A / at 440 V / rated value Operating current / of upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (Icw) Ilimited to 1 s / rated value at 690 V / limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A	• at AC-22 A / at 440 V / rated value	16 A
Operating current / of upstream fuse / rated value let-through current / with closed switch • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (lcw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value 340 A	• at AC-23 A / at 240 V / rated value	16 A
let-through current / with closed switch • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (Icw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value 340 A	• at AC-23 A / at 440 V / rated value	16 A
at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (Icw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 3 kA	Operating current / of upstream fuse / rated value	20 A
maximum • at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (Icw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value 340 A 3 kA	let-through current / with closed switch	
 at 690 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (Icw) limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A at 690 V / limited to 1 s / rated value 	_	3 kA
 limited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A 340 A 	• at 690 V / for combination switch + gG fuse /	3 kA
at 690 V / limited to 1 s / rated value 340 A		
	• limited to 1 s / rated value	340 A
Main circuit		340 A
	Main circuit	

Operating frequency		
● initial value	50 Hz	
Full-scale value	60 Hz	
Operating power		
at AC-23 A / at 240 V / rated value	4 kW	
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	7.5 kW	
at AC-23 A / at 400 V / rated value	7.5 kW	
• at AC-23 A / at 440 V / rated value	7.5 kW	
• at AC-23 A / at 690 V / rated value	7.5 kW	
• at AC-3 / at 240 V / rated value	3 kW	
• at AC-3 / at 400 V / rated value	5.5 kW	
• at AC-3 / at 690 V / rated value	5.5 kW	
Operating current / rated value	16 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 /	500 V	
maximum		
Continuous current / of the auxiliary contact / rated	10 A	
value		
Insulation voltage / of the auxiliary switch / rated	500 V	
value		
Suitability		
Suitability for use		
Main switch	Yes	
 switch disconnector 	Yes	
 EMERGENCY OFF switch 	No	
safety switch	Yes	
 maintenance/repair switch 	Yes	
Appearance		
Color / of the actuating element	black	
2		
Product details Product function / can be locked into OFF	Yes	
position		
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	

Chart aircuit		
Short circuit Conditional short-circuit current / with line-side fuse		
protection		
• at 690 V / by gG fuse / rated value	50 kA	
at 090 V / by go luse / lated value	30 N T	
Number		
Number of connectable NC contacts / for auxiliary	1	
contacts / attachable / maximum		
Number of connectable NO contacts / for auxiliary	1	
contacts / attachable / maximum		
Number of connectable CO contacts / for auxiliary	0	
contacts / attachable / maximum		
Connections		
AWG number / as coded connectable conductor		
cross section / solid		
• maximum	10	
• minimum	18	
Type of connectable conductor cross-sections / for		
copper conductor		
• solid	1x (16mm²)	
finely stranded / with core end processing	1x (14mm²)	
• stranded	1x (16mm²)	
Type of connectable conductor cross-sections / for auxiliary contacts		
• solid	2x (0.75 2.5 mm²), 1x 4 mm²	
• finely stranded / with core end processing	2x (0.75 1.5 mm²), 1x 2.5 mm²	
• stranded	2x (0.75 2.5 mm2), 1x 4 mm2	
Type of electrical connection		
for main current circuit	box terminal	
• for auxiliary contacts	connection terminals	
Tor duxinary contacts		
Requirements		
Design of the fuse link		
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 20 A	
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A	
·		
Mechanical Design		
Height	84 mm	
Width	67 mm	
Depth	116.5 mm	
Mounting type	Built-in unit fixed-mounted version	
 Mounting type / front mounting with 4-hole attachment 	No	

 Mounting type / front mounting with central attachment 	Yes
 mounting type / rail mounting 	No
net weight	217 g

Environmental conditions	
Ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage / minimum	-25 °C

Certificates	
• reference code / acc. to DIN EN 61346-2	S
• Reference code / acc. to DIN EN 81346-2	SF

General Product Approval	Declaration of
	Conformity









Miscellaneous

Test Certific- ates	Shipping Ap- proval	other
Special Test Certificate	Lloyd's Register	Environmental Con- firmations
	LRS	

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=3LD2054-1TP51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2054-1TP51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2054-1TP51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











