SIEMENS

Data sheet 3LD2113-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, Iu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting 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	Floor mounting with door coupling
Size of switch disconnector	2
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 12 value / with closed switch / at 440 V / for combinations witch + g G tuse / maximum Mechanical service life (switching cycles) / typical Mechanical service life (switching cycles) / typical Mechanical service life (switching cycles) / typical Operating frequency / maximum 50 1/h Voltage Insulation voltage / rated value 690 V Surge voltage resistance / rated value 25 A Operating current / at AC / rated value 690 V Protection class Protection class Protection class IP Protection class IP IP65 Degree of protection NEMA rating 1, 3R, 4X, 12 Protection class IP / on the front IP65 Depree of protection voltage / sale value of the current / at AC / in hot operating state / per pole • per conductor / typical 1,1 W Current Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 440 V / rated value • at AC-22 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 • 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 • 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 • 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-25 A / at 440 V / rated value • at AC-25 A / at 440 V / rated value • at AC-25 A / at 440 V / rated value • at AC-25 A / at 440 V / rated value • at AC-27 A / at 440 V / rated value • at AC-27 A / at 440 V / rated value • at AC-27 A / at 440 V / rated value • at AC-27 A / at 440 V / rated value • at AC-27 A / at 440 V / rated value • at AC-28 A / at 440 V / rated value • at AC-29 A / at 440 V / rated value • at AC-29 A / at 440 V / rated value • at AC-20 A / at 440 V / rated value • at AC-20 A		
Voltage Insulation voltage / rated value 690 V	Let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 kA2.s
Voltage Insulation voltage / rated value Surge voltage resistance / rated value 6 8V Operating current / at AC / rated value • at AC / at 50/80 Hz / rated value • at AC / at 50/80 Hz / rated value 6 80 V Protection class Protection class IP IP65 Degree of protection NEMA rating 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 1.1 W Current Operating current • at AC-23 A / at 400 V / rated value • at AC-21 / 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-22 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 • 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 • 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 • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-33 A / at 440 V / rated value • at AC-35 A / at 440 V / rated value • at AC-35 A / at 440 V / rated value • at AC-35 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V / rated value • at AC-30 A / at 440 V /	Mechanical service life (switching cycles) / typical	100 000
Insulation voltage / rated value	Operating frequency / maximum	50 1/h
Surge voltage resistance / rated value 25 A	Voltage	
Operating current / at AC / rated value 25 A Operating voltage		690 V
Operating voltage ◆ at AC / at 50/60 Hz / rated value 690 V 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 Operating current • at AC-23 A / at 690 V / rated value 20 A • at AC-23 A / at 400 V / rated value 25 A • at AC-21 / at 690 V / rated value 25 A • at AC-21 / at 690 V / rated value 25 A • at AC-21 / at 690 V / rated value 25 A • at AC-21 / at 440 V / rated value 25 A • at AC-21 / at 440 V / rated value 25 A • at AC-22 A / at 240 V / rated value 25 A • at AC-23 A / at 440 V / rated value 20 A • at AC-23 A / at 440 V / rated value 20 A • at AC-23 A / at 440 V / rated value 20 A • at AC-23 A / at 440 V / rated value 25 A	Surge voltage resistance / rated value	6 kV
Protection class Protection class IP	Operating current / at AC / rated value	25 A
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 Operating current • 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-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-22 A/ at 440 V / rated value • at AC-22 A/ at 440 V / rated value • at AC-22 A/ at 440 V / rated value • at AC-22 A/ at 440 V / rated value • at AC-22 A/ at 440 V / rated value • 25 A • at AC-22 A/ at 440 V / rated value • 25 A • at AC-22 A/ at 440 V / rated value • 25 A • at AC-23 A/ at 440 V / rated value • 25 A • at AC-23 A/ at 440 V / rated value • 25 A • at AC-23 A/ at 440 V / rated value • 25 A • at AC-23 A/ at 440 V / rated value • 25 A • at AC-23 A/ at 440 V / rated value • 25 A • at AC-23 A/ at 440 V / rated value • 26 A • at AC-23 A/ at 440 V / rated value • 27 A • 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 • 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 • 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-24 A/ at 440 V / rated value • at AC-25 A/ at 440 V / rated value • at AC-26 A/ at 440 V / rated value • at AC-27 A/ at 440 V / rated value • at AC-28 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at 440 V / rated value • at AC-29 A/ at	Operating voltage	
Protection class IP	• 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 1.1 W 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 / at 690 V / rated value • at AC-21 / at 640 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 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 240 V / rated value • at AC-23 A / at 240 V / rated value • at AC-30 A / at 440 V / ra	Protection class IP	IP65
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical 1.1 W Current 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-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 • 25 A • at AC-22 A / at 240 V / rated value • 25 A • at AC-23 A / at 240 V / rated value • 25 A • at AC-23 A / at 240 V / rated value • 25 A • at AC-23 A / at 240 V / rated value • 25 A • at AC-23 A / at 240 V / rated value • at AC-33 A / at 240 V / rated value • 20 A • at AC-34 A / at 440 V / rated value • at AC-35 A / at 440 V / rated value • at AC-36 A / at 440 V / rated value • at AC-37 A / at 440 V / rated value • at AC-38 A / at 440 V / rated value • at AC-39 A / at 440 V / rated value • at AC-39 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-49 A / at 440 V / rated value • at AC-40 A / at 440 V / rated value • at AC-40 A / at 440 V / rated value • at AC-40 A / at 440 V / rated value • at AC-40 A / at 440 V / rated value • at AC-40 A /	Degree of protection NEMA rating	1, 3R, 4X, 12
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical 1.1 W Current 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-25 A / at 690 V / rated value • at AC-26 A / at 240 V / rated value • at AC-27 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 440 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 • 25 A • at AC-22 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 • 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 Specially 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	Protection class IP / on the front	IP65
• for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical 1.1 W 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-21 / 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-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 Operating current / of upstream fuse / 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	Dissipation	
operating state / per pole • per conductor / typical 1.1 W 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-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 / 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-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-20 A / at 440 V / rated value • at AC-20 A / at 440 V / rated value • at AC-30 A /	Power loss [W]	
● per conductor / typical 1.1 W Current ● at AC-23 A / at 690 V / rated value 11 A ● at AC-23 A / at 400 V / rated value 20 A ● at AC-22 A / at 690 V / rated value 25 A ● at AC-21 / at 690 V / rated value 25 A ● at AC-21 A 240 V / rated value 25 A ● at AC-21 A 4440 V / rated value 25 A ● at AC-22 A / at 240 V / rated value 25 A ● at AC-23 A / at 240 V / rated value 25 A ● at AC-23 A / at 440 V / rated value 20 A ● at AC-23 A / at 440 V / rated value 20 A Operating current / of upstream fuse / rated value 25 A Let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum 3.5 kA maximum permissible Short-time withstand current (lcw) 640 A ● limited to 1 s / rated value 640 A ● at 690 V / limited to 1 s / rated value 640 A	for rated value of the current / at AC / in hot	1.1 W
Current Operating current • at AC-23 A / at 690 V / rated value • at AC-23 A / at 400 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 420 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-23 A / at 440 V / rated value 25 A Let-through current / of upstream fuse / 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 (Icw) • 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	operating state / per pole	
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-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-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 20 A Operating current / of upstream fuse / rated value 25 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 • at 690 V / limited to 1 s / rated value 640 A	• per conductor / typical	1.1 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-22 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-26 A / 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 	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 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-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 concept at AC-23 A / at 440 V / rated value be at AC-23 A / at 440 V / rated value concept at AC-23 A / at 440 V / rated va	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-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-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at 40 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 640 A at 690 V / limited to 1 s / rated value 	• at AC-23 A / at 690 V / rated value	11 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 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 20 A Operating current / of upstream fuse / rated value 25 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 640 A at 690 V / limited to 1 s / rated value 640 A 	• at AC-23 A / at 400 V / rated value	20 A
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 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) alimited to 1 s / rated value at 690 V / limited to 1 s / rated value 640 A	• at AC-22 A / at 690 V / rated value	25 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 640 A at 690 V / limited to 1 s / rated value 	• at AC-21 / at 690 V / rated value	25 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 440 V / rated value at AC-23 A / at 440 V / rated value Operating current / of upstream fuse / rated value 25 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 640 A at 690 V / limited to 1 s / rated value 	• at AC-21 A / at 240 V / rated value	25 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 20 A Operating current / of upstream fuse / rated value 25 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 at 690 V / limited to 1 s / rated value 640 A 640 A 	• at AC-21 A / at 440 V / rated value	25 A
at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value 20 A Operating current / of upstream fuse / rated value 25 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) al limited to 1 s / rated value at 690 V / limited to 1 s / rated value 640 A	• at AC-22 A / at 240 V / rated value	25 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 640 A	• at AC-22 A / at 440 V / rated value	25 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 (Icw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value 640 A	• at AC-23 A / at 240 V / 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 (Icw) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value 640 A	• at AC-23 A / at 440 V / rated value	20 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 640 A 640 A 	Operating current / of upstream fuse / rated value	25 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 640 A	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 640 A 640 A 	_	3.5 kA
maximum permissible Short-time withstand current (Icw) I limited to 1 s / rated value at 690 V / limited to 1 s / rated value 640 A 640 A		2.5.14
 limited to 1 s / rated value at 690 V / limited to 1 s / rated value 640 A 640 A 	_	3.5 KA
at 690 V / limited to 1 s / rated value 640 A	Short-time withstand current (Icw)	
	• limited to 1 s / rated value	640 A
Main circuit	• at 690 V / limited to 1 s / rated value	640 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	5 kW
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	9.5 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
Operating current / rated value	25 A
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 	No
• safety switch	Yes
• maintenance/repair switch	Yes
Appearance	
Color / of the actuating element	black
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	
Operating current / at AC / acc. to UL 508 / rated value	25 A
Operating voltage / at AC / at 50/60 Hz / acc. to UL 508 / rated value	600 V
Active power [hp] / at AC / at 480 V / acc. to UL 508 / rated value	10
Active power [hp] / at AC / at 600 V / acc. to UL 508 / rated value	15
Short-time withstand current (SCCR) / at 600 V / acc. to UL 508	5 kA
Continuous current / of upstream fuse / according to UL / rated value	50 A
Type of fuse / according to UL	RK5
Number of connectable NC contacts / for auxiliary contacts / attachable / maximum	3
Number of connectable NO contacts / for auxiliary contacts / attachable / maximum	5
Non-bound conservation on the state of the s	
Number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
-	O
contacts / attachable / maximum	
Connections AWG number / as coded connectable conductor	8
Connections AWG number / as coded connectable conductor cross section / solid	
contacts / attachable / maximum Connections AWG number / as coded connectable conductor cross section / solid • maximum	8
contacts / attachable / maximum Connections AWG number / as coded connectable conductor cross section / solid • maximum • minimum Type of connectable conductor cross-sections / for	8
contacts / attachable / maximum Connections AWG number / as coded connectable conductor cross section / solid • maximum • minimum Type of connectable conductor cross-sections / for copper conductor	8 14
contacts / attachable / maximum Connections AWG number / as coded connectable conductor cross section / solid • maximum • minimum Type of connectable conductor cross-sections / for copper conductor • solid	8 14 1x (1,516mm²)
contacts / attachable / maximum Connections AWG number / as coded connectable conductor cross section / solid maximum minimum Type of connectable conductor cross-sections / for copper conductor solid finely stranded / with core end processing	8 14 1x (1,516mm²) 1x (1,510mm²)
Connections AWG number / as coded connectable conductor cross section / solid • maximum • minimum Type of connectable conductor cross-sections / for copper conductor • solid • finely stranded / with core end processing • stranded Type of connectable conductor cross-sections / for	8 14 1x (1,516mm²) 1x (1,510mm²)
contacts / attachable / maximum Connections AWG number / as coded connectable conductor cross section / solid maximum minimum Type of connectable conductor cross-sections / for copper conductor solid finely stranded / with core end processing stranded Type of connectable conductor cross-sections / for auxiliary contacts	8 14 1x (1,516mm²) 1x (1,510mm²) 1x (1,516mm²) 1x (1,516mm²)
Connections AWG number / as coded connectable conductor cross section / solid • maximum • minimum Type of connectable conductor cross-sections / for copper conductor • solid • finely stranded / with core end processing • stranded Type of connectable conductor cross-sections / for auxiliary contacts • solid	8 14 1x (1,516mm²) 1x (1,510mm²) 1x (1,516mm²) lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front
Connections AWG number / as coded connectable conductor cross section / solid • maximum • minimum Type of connectable conductor cross-sections / for copper conductor • solid • finely stranded / with core end processing • stranded Type of connectable conductor cross-sections / for auxiliary contacts • solid • finely stranded / with core end processing	8 14 1x (1,516mm²) 1x (1,510mm²) 1x (1,516mm²) lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm² lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front

• for auxiliary contacts

connection terminals

Requirements

Design of the fuse link

• for short-circuit protection of the main circuit / required fuse

• for short-circuit protection of the auxiliary switch

/ required

fuse gL/gG: 25 A

fuse gL/gG: 10 A

Mechanical Design	
Height	84 mm
Width	67 mm
Depth	429.5 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type	
 front mounting with 4-hole attachment 	Yes
 front mounting with central attachment 	No
• rail mounting	Yes
Net weight	410 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

• acc. to DIN EN 81346-2

SF

General Product Approval

Declaration of Conformity









Miscellaneous



Test Certific-	Shipping Approval	other
ates		
Special Test Certi-		Environmental Con-

Special Test Certificate



PRS

firmations

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=3LD2113-0TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2113-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2113-0TK51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











