SIEMENS

Data sheet 3LD2064-0TB53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, Molded plastic encapsulation for metric cable gland, rotary operating mechanism, red/yellow

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 operating mechanism	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
Number of poles / Note	N + PE
Type of device	fixed mounting
Type of switch	Molded-plastic enclosure for metric threaded joint
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 I2t value / with closed switch / at 440 V /	2.5 kA2.s
for combination switch + gG fuse / maximum	
Mechanical service life (switching cycles) / typical	100 000
Operating frequency / maximum	50 1/h
Type of fuse / according to UL	RK5
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Current / at AC / rated value	16 A
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
 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	7.5
• at 600 V / acc. to UL 508 / rated value	10
Protection class	
Protection class IP	IP65
Degree of protection NEMA rating	1, 4X, 12
Protection class IP / on the front	IP65
Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot	0.5 W
 for rated value of the current / at AC / in hot operating state / per pole 	
• for rated value of the current / at AC / in hot	0.5 W 0.5 W
 for rated value of the current / at AC / in hot operating state / per pole 	
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical 	
for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current	
for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current Operating current	0.5 W
for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current Operating current at AC-23 A / at 690 V / rated value	0.5 W
for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current Operating current at AC-23 A / at 690 V / rated value at AC-23 A / at 400 V / rated value	9 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical 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 	9 A 16 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current 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 / at 690 V / rated value at AC-21 / at 690 V / rated value	9 A 16 A 16 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current 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 / at 690 V / rated value at AC-21 / at 240 V / rated value at AC-21 A / at 240 V / rated value	9 A 16 A 16 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current 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 / 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 440 V / rated value 	9 A 16 A 16 A 16 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical 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 / 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 	9 A 16 A 16 A 16 A 16 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current 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 / 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 	9 A 16 A
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current 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 / at 690 V / rated value at AC-21 / 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 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value 	9 A 16
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical 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 / 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 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value 	9 A 16
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical Current 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 / at 690 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 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 440 V / rated value at AC-23 A / at 440 V / rated value 	9 A 16

at 440 V / for combination switch + gG fuse / maximum at 890 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (low) at 890 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (low) at 890 V / limited to 1 s / rated value 340 A at 890 V / limited to 1 s / rated value 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 400 V / rated value 7.5 kW at AC-31 At 890 V / rated value 7.5 kW at AC-31 At 890 V / rated value 7.5 kW at AC-31 at 890 V / rated value 7.5 kW at AC-31 at 890 V / rated value 7.5 kW 6 at AC-31 at 890 V / rated value 7.5 kW 6 at AC-31 at 890 V / rated value 7.5 kW 6 at AC-31 at 890 V / rated value 7.5 kW 6 at AC-31 at 890 V / rated value 7.5 kW 6 at AC-31 at 890 V / rated value 7.5 kW 7.5 kW 7.5 kW 7.5 kW 8 at AC-31 at 890 V / rated value 8 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-31 at 890 V / rated value 9 at AC-91 at 890 V / rated value 9 at AC-91 at 890 V / rated value 9 at AC-91 at 890 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at AC-91 at 900 V / rated value 9 at 900 V /	Let-through current / with closed switch	
maximum permissible Short-time withstand current (low) I imited to 1 s / rated value at 690 V / limited to 1 s / rated value 340 A Main circuit Operating frequency Initial value Full-scale value Operating power 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 AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value be at AC-3 / at 400 V / rated value cat AC-3 / at 400 V / rated value cat AC-3 / at 400 V / rated value cat AC-3 / at 400 V / rated value cat AC-3 / at 690 V / rated value	_	3 kA
		3 kA
■ at 690 V / limited to 1 s / rated value ■ Auxiliary circuit Auxiliary circuit	Short-time withstand current (lcw)	
Main circuit Operating frequency initial value Full-scale value Operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rate	limited to 1 s / rated value	340 A
Operating frequency initial value Full-scale value Operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-33 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value 5.5 kW Operating current / rated value 16 A Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Main switch was witch disconnector EMERGENCY OFF switch Safety switch raintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch	• at 690 V / limited to 1 s / rated value	340 A
initial value Full-scale value 60 Hz Operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value 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 Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating valtage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Main switch switch disconnector EMERGENCY OFF switch Safety switch real Accuracy Yes EMERGENCY OFF switch Yes maintenance/repair switch Yes maintenance/repair switch	Main circuit	
• Full-scale value Operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 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-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-6 / at 690 V / rated value Operating current / rated value Operating current / rated value Operating voltage / for auxiliary contacts Operating voltage / for auxiliary contacts Operating voltage / of auxiliary contact / rated value Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability EMERGENCY OFF switch • safety switch • maintenance/repair switch Yes Appearance	Operating frequency	
Operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 400 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 469 V / rated value • at AC-23 A / at 690 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / for auxiliary contacts Operating current / rated value Operating current / rated value Operating voltage / for auxiliary contacts Operating voltage / for auxiliary contacts Operating voltage / of auxiliary contact / rated value Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	• initial value	50 Hz
at AC-23 A / at 240 V / rated value 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 440 V / rated value 7.5 kW at AC-3 / at 440 V / rated value 7.5 kW at AC-3 / at 690 V / rated value 3 kW at AC-3 / at 400 V / rated value 5.5 kW Operating current / rated value 16 A Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / 500 V maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitabil	Full-scale value	60 Hz
at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 260 V / rated value 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 Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability or use Main switch Yes EMERGENCY OFF switch Yes maintenance/repair switch Yes Appearance	Operating power	
at AC-23 A / at 400 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 2690 V / rated value at AC-3 / at 690 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 Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts 10 A value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability for use Main switch Suitability	• at AC-23 A / at 240 V / rated value	4 kW
at AC-23 A / at 440 V / rated value at AC-23 A / at 690 V / rated value at AC-3 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 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 Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability Suitability EMERGENCY OFF switch safety switch maintenance/repair switch Yes maintenance/repair switch Yes Appearance	• at AC-23 A / at 400 V / at 50/60 Hz / rated value	7.5 kW
at AC-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value be 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 Number of NC contacts / for auxiliary contacts Ournating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use Main switch switch disconnector switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes maintenance/repair switch Yes Appearance	• at AC-23 A / at 400 V / rated value	7.5 kW
at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value 5.5 kW Operating current / rated value 16 A Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes maintenance/repair switch Yes Appearance	• at AC-23 A / at 440 V / rated value	7.5 kW
at AC-3 / at 400 V / rated value 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 Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Appearance	• at AC-23 A / at 690 V / rated value	7.5 kW
at AC-3 / at 690 V / rated value Operating current / rated value 16 A Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Oumber of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	• at AC-3 / at 240 V / rated value	3 kW
Operating current / rated value Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Oumber of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	• at AC-3 / at 400 V / rated value	5.5 kW
Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	• at AC-3 / at 690 V / rated value	5.5 kW
Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability or use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	Operating current / rated value	16 A
Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability or use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	Auxiliary circuit	
Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance		0
Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	Number of NC contacts / for auxiliary contacts	0
maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	Number of NO contacts / for auxiliary contacts	0
Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch switch disconnector Suitability for use Main switch switch disconnector Suitability for use Main switch Suitability for use Main switch Suitability for use Su		500 V
Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance		10 A
Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	Insulation voltage / of the auxiliary switch / rated	500 V
Suitability for use • Main switch • switch disconnector • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	value	
Suitability for use • Main switch • switch disconnector • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	Suitability	
 switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Yes Yes Yes Appearance Appearance		
 EMERGENCY OFF switch safety switch maintenance/repair switch Yes Yes Yes Appearance	Main switch	Yes
 safety switch maintenance/repair switch Appearance 	• switch disconnector	Yes
maintenance/repair switch Yes Appearance	 EMERGENCY OFF switch 	Yes
Appearance	• safety switch	Yes
	• maintenance/repair switch	Yes
Color / of the actuating element red	Appearance	
	Color / of the actuating element	red

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
Short circuit	
Short-time withstand current (SCCR) / at 600 V / acc.	5 kA
to UL 508	
Conditional short-circuit current / with line-side fuse protection	
• at 690 V / by gG fuse / rated value	50 kA
Number of connectable NC contacts / for auxiliary contacts / attachable / maximum	3
Number of connectable NO contacts / for auxiliary contacts / attachable / maximum	5
Number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor	
cross section / solid	
• maximum	10
• minimum	18
Type of electrical connection	
• for main current circuit	box terminal
• for auxiliary contacts	connection terminals
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	152 mm
Width	100 mm
Depth	117 mm
Mounting type	Complete unit in enclosure
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	Yes
• rail mounting	No
Net weight	465 g

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

Certificates

Reference code

acc. to DIN EN 61346-2
 acc. to DIN EN 81346-2
 SF

General Product Approval

Test Certificates









Miscellaneous

Special Test Certificate

Shipping	Ap-
proval	

other



Environmental Confirmations

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=3LD2064-0TB53

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

 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/ps/3LD2064-0TB53}}$

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2064-0TB53

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











