SIEMENS

Data sheet 3LD2064-1TC53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4- pole, 16 A, operating power at AC-23 A at 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	4	
Number of poles / Note	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 (lcw) • limited to 1 s / rated value • at 890 V / limited to 1 s / rated value • at 890 V / limited to 1 s / rated value • at 890 V / limited to 1 s / rated value • at 890 V / limited to 1 s / rated value • at 800 V / limited to 1 s / rated value • at 800 V / limited to 1 s / rated value • Full-scale value • Oberating frequency • Initial value • Full-scale value • 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-3 A / at 690 V / rated value • at AC-3 / a	Let-through current / with closed switch		
maximum permissible Short-time withstand current (low) • limited to 1 s / rated value • at 690 V / limited to 1 s / rated value So Hz • Itiliscale value • Full-scale value • Eull-scale value Operating frequency • initial value • Eull-scale value Operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 4400 V / rated value • at AC-23 A / at 4400 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 690 V / rate	_	3 kA	
	_	3 kA	
• at 690 V / limited to 1 s / rated value 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 490 V / rated value • at AC-23 A / at 490 V / rated value • at AC-3 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 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-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 Operating current / rated value 16 A Auxiliary circuit Number of CO contacts / for auxiliary contacts O Number of NO contacts / for auxiliary contacts O Operating voltage / of auxiliary contacts O Operating voltage / of auxiliary contacts O Operating voltage / of the auxiliary contacts O Ovaline of NO contacts / for auxiliary contacts O Ovaline Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability Suitability - switch disconnector - switch disconnector - safety switch - safety switch - safety switch - rated value Appearance	Short-time withstand current (Icw)		
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-34 A / at 400 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 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-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 To Auxiliary circuit Number of CO contacts / for auxiliary contacts Outhouse of CO co	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 / 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 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 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value 5.5 kW perating current / 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 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 yes Main switch switch disconnector Yes EMERGENCY OFF switch Yes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes	• at 690 V / limited to 1 s / rated value	340 A	
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 / 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 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 out AC-3 / at 690 V / rated value 6.5 kW Operating current / rated value 16 A Auxiliary circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating valtage / of 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 e Main switch switch disconnector yes e Melin switch yes Appearance	Main circuit		
Full-scale value 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 7.5 kW at AC-23 A / at 440 V / rated value 7.5 kW at AC-3 A / at 240 V / rated value 3 kW at AC-3 / at 440 V / rated value 5.5 kW out AC-3 / at 400 V / rated value 5.5 kW Operating current / rated value 16 A Auxiliary circuit 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 Emergency Off switch Yes Main switch Yes Emergency off switch Yes maintenance/repair switch Yes maintenance/repair switch Yes Appearance	Operating frequency		
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 690 V / rated value • at AC-3 / at 690 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 • 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 Operating current / rated value 16 A Auxiliary circuit Number of CO 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 Suita	● 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 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 240 V / rated value at AC-3 / at 690 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 star AC-3 / at 690 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 Operating voltage / of auxiliary contacts Operating voltage / of the auxiliary contacts Operating voltage / of the auxiliary contact / rated value Suitability	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 / at 50/60 Hz / rated value 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-23 A / at 690 V / rated value 3 kW 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 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 Suttability Suitability Suitabilit	Operating power		
at AC-23 A / at 440 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 240 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 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 for use Main switch Suitability Yes EMERGENCY OFF switch Safety switch Test WW 7.5 kW 7	• 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 400 V / rated value at AC-3 / at 690 V / rated value 5.5 kW out AC-3 / at 690 V / 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 Suitability Suitability EMERGENCY OFF switch safety switch res 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 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 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 400 V / rated value	7.5 kW	
at AC-3 / at 240 V / rated value 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 Number of NC contacts / for auxiliary contacts 0 Number of NO contacts / for auxiliary contacts 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 Suitability 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 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 EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch 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 Suitability Suitability for use Main switch Switch disconnector EMERGENCY OFF switch Safety switch maintenance/repair switch Yes 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 Page 4 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 for 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 for 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	
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 NO contacts / for auxiliary contacts	0	
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		500 V	
Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance		10 A	
Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Appearance	-	500 V	
Suitability for use • Main switch • 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			
EMERGENCY OFF switch safety switch maintenance/repair switch Appearance Pes Yes Yes Yes Yes	Main switch	Yes	
safety switch maintenance/repair switch Appearance Yes 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	469 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
 acc. to DIN EN 81346-2
 SF

General Product Approval

Declaration of Conformity













Test Certific- ates	Shipping Ap- proval	other
Special Test Certi- ficate	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=3LD2064-1TC53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2064-1TC53

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2064-1TC53

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











