## **SIEMENS**

Data sheet 3LD2514-1TL53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4- pole, lu: 63 A, operating power / at AC-23 A 400 V: 22 kW, floor mounting with door coupling, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

Model	
Product brand name	SENTRON
Product designation	3LD Switch disconnector
Design of the product	EMERGENCY-STOP switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of the 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
Type of device	fixed mounting
Type of switch	Floor mounting with door coupling
Size of switch disconnector	3
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	21 kA2.s

Lat through 10t value / with along day, its h / at 440 \/ /	24 1.42 -	
Let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	21 kA2.s	
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	63 A	
Operating voltage		
• at AC / at 50/60 Hz / rated value	690 V	
<ul> <li>at AC / at 50/60 Hz / acc. to UL 508 / rated value</li> </ul>	600 V	
Active power [hp] / at AC		
• at 480 V / acc. to UL 508 / rated value	40	
• at 600 V / acc. to UL 508 / rated value	50	
Protection class		
Protection class IP	IP65	
Degree of protection NEMA rating	1, 3R, 4X, 12	
Protection class IP / on the front	IP65	
Dissipation		
•		
Power loss [W]		
Power loss [W]  • for rated value of the current / at AC / in hot	4.5 W	
Power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole		
Power loss [W]  • for rated value of the current / at AC / in hot	4.5 W 4.5 W	
Power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole		
Power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • per conductor / typical		
Power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole  • per conductor / typical  Current		
Power loss [W]  • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical  Current  Operating current	4.5 W	
Power loss [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	4.5 W 22 A	
Power loss [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	4.5 W  22 A 43 A	
Power loss [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 690 V / rated value • at AC-22 A / at 690 V / rated value	4.5 W  22 A  43 A  63 A	
Power loss [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 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 / at 690 V / rated value	4.5 W  22 A  43 A  63 A  63 A	
Power loss [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 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	4.5 W  22 A  43 A  63 A  63 A  63 A	
Power loss [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  • at AC-21 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	4.5 W  22 A  43 A  63 A  63 A  63 A  63 A	
Power loss [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 • 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	4.5 W  22 A  43 A  63 A  63 A  63 A  63 A  63 A	
Power loss [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 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 440 V / rated value • at AC-22 A / at 440 V / rated value	4.5 W  22 A  43 A  63 A  63 A  63 A  63 A  63 A  63 A	
Power loss [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 • at AC-21 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-22 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 240 V / rated value • at AC-23 A / at 240 V / rated value	4.5 W  22 A  43 A  63 A	
Power loss [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 • 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-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	4.5 W  22 A  43 A  63 A  63 A  63 A  63 A  63 A  63 A  43 A	
Power loss [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 • 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-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-23 A / at 240 V / rated value • at AC-23 A / at 240 V / rated value	22 A 43 A 63 A 63 A 63 A 63 A 63 A 43 A 43 A 43 A	

at 440 V / for combination switch + gG fuse / maximum at 869 V / for combination switch + gG fuse / maximum permissible  Short-time withstand current (lcw) imited to 1 s / rated value at 690 V / limited to 1 s / rated value 1 260 A  Main circuit  Operating frequency initial value 50 Hz  Operating power  at AC-23 A / at 240 V / rated value 11 kW at AC-23 A / at 440 V / rated value 22 kW at AC-23 A / at 440 V / rated value 22 kW at AC-23 A / at 440 V / rated value 22 kW at AC-23 A / at 440 V / rated value 13.5 kW at AC-3 A / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 15.5 kW bat AC-3 / at 400 V / rated value 16.5 kW bat AC-3 / at 400 V / rated value 17.5 kW bat AC-3 / at 400 V / rated value 18.5 kW bat AC-3 / at 400 V / rated value 19.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 400 V / rated value 10.5 kW bat AC-3 / at 4	Let-through current / with closed switch		
maximum permissible  Short-time withstand current (lcw)  Initial to 1 s / rated value  1 260 A  at 690 V / limited to 1 s / rated value  1 260 A  Main circuit  Operating frequency  Initial value  Full-scale value  Operating power  at AC-23 A / at 240 V / rated value  11 kW  at AC-23 A / at 400 V / at 50/80 Hz / rated value  at AC-23 A / at 440 V / rated value  22 kW  at AC-23 A / at 440 V / rated value  22 kW  at AC-23 A / at 440 V / rated value  22 kW  at AC-3 / at 240 V / rated value  23 kW  at AC-3 / at 240 V / rated value  15.5 kW  at AC-3 / at 400 V / rated value  15.5 kW  at AC-3 / at 400 V / rated value  15.5 kW  at AC-3 / at 400 V / rated value  15.5 kW  at AC-3 / at 400 V / rated value  16.3 kW  Operating current / rated value  16.3 A  Auxiliary circuit  Number of NC contacts / for auxiliary contacts  Operating value / for auxiliary contacts / for auxiliary contacts  Operating value / for auxiliary contacts / for auxiliary contacts  Operating value / for auxiliary contacts / for auxiliary contacts  Operating value / for auxiliary contacts / for auxiliary contacts  Operating value / for auxiliary contacts / fo	_	6 kA	
		6 kA	
• at 690 V / limited to 1 s / rated value         1 260 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         20 kW           • at AC-23 A / at 400 V / rated value         22 kW           • at AC-23 A / at 400 V / rated value         22 kW           • at AC-23 A / at 480 V / rated value         18.5 kW           • at AC-3 / at 400 V / rated value         11 kW           • at AC-3 / at 400 V / rated value         15 kW           Operating current / rated value         63 A           Auxiliary circuit         15 kW           Operating current / rated value         63 A           Auxiliary circuit         10 Number of NC 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 contact / rated value         500 V           Insulation voltage / of such auxiliary contact / rated value         500 V	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 / 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 400 V / rated value  • at AC-23 A / at 400 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 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  • 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  • at AC-3 / at 690 V rated value  Operating value of Ac auxiliary contacts  O Number of NC contacts / for auxiliary contacts  O Continuous current / of the auxiliary contacts  O Derating voltage / of auxiliary contact / rated value  Insulation voltage / of the auxiliary switch / rated value  Insulation voltage / of the auxiliary switch / rated value  • Miain switch  • switch disconnector  • EMERGENCY OFF switch  • safety switch  • rater of Ac auxiliary switch  Yes  • maintenance/repair switch  Yes  Appearance	<ul><li>limited to 1 s / rated value</li></ul>	1 260 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 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 4690 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  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  backlitary 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  switch disconnector  yes  EMERGENCY OFF switch  Yes  maintenance/repair switch  Yes  maintenance/repair switch  Yes  maintenance/repair switch  Yes  maintenance/repair switch	• at 690 V / limited to 1 s / rated value	1 260 A	
initial 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 440 V / rated value  22 kW  at AC-23 A / at 440 V / rated value  22 kW  at AC-23 A / at 440 V / rated value  22 kW  at AC-23 A / at 690 V / rated value  18.5 kW  at AC-3 / at 240 V / rated value  11 kW  at AC-3 / at 690 V / rated value  15 kW  Operating current / rated value  63 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  Murability  Suitability  Suitability  Suitability  Suitability  Suitability  Suitability  EMERGENCY OFF switch  Yes  at AC-23 A / at 240 V / rated value  Appearance	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 / 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 440 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 • 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  Operating current / for auxiliary contacts  O Number of NC contacts / for auxiliary contacts  O Departing voltage / of auxiliary contact / 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 • 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 400 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 460 V / rated value • at AC-23 A / at 460 V / rated value • at AC-23 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 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 400 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value  Operating current / rated value  Operating current / rated value  Operating voltage / 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  • 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  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 400 V / rated value  at AC-3 / at 400 V / rated value  at AC-3 / at 400 V / rated value  at AC-3 / at 460 V / rated value  at AC-3 / at 690 V / rated value  55 kW  Operating current / rated value  63 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  Suita	• 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 22 kW  at AC-23 A / at 440 V / rated value 22 kW  at AC-23 A / at 440 V / rated value 22 kW  at AC-3 / at 690 V / rated value 18.5 kW  at AC-3 / at 690 V / rated value 11 kW  at AC-3 / at 690 V / rated value 15 kW  Operating current / rated value 53 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 / at AC / 500 V  maximum  Continuous current / of the auxiliary contact / rated value  Insulation voltage / of the auxiliary switch / rated value  Suitability  Sui	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 240 V / rated value  at AC-3 / at 2690 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  bat AC-3 / at 690 V / rated value  at AC-3 / at 690 V / rated value  bat AC-3 / at 69	• at AC-23 A / at 240 V / rated value	11 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 11 kW at AC-3 / at 240 V / rated value 11 kW at AC-3 / at 240 V / rated value 15 kW  at AC-3 / at 690 V / rated value 15 kW  Operating current / rated value 63 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  See See See See See See See See See Se	• at AC-23 A / at 400 V / at 50/60 Hz / rated value	22 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 at AC-3 / at 690 V / rated value background  Operating current / rated value  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 contact / 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 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	22 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 at AC-3 / at 690 V / rated value be at AC-3 / at 690 V / rated value  To perating current / rated value  63 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 / 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	22 kW	
at AC-3 / at 400 V / rated value  at AC-3 / at 690 V / rated value  by at AC-3 / at 690 V / rated value  coperating current / rated value  63 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 / 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  Yes  maintenance/repair switch  Appearance	• at AC-23 A / at 690 V / rated value	18.5 kW	
at AC-3 / at 690 V / rated value  Operating current / rated value  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  Suitability for use  Main switch  switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  Appearance	• at AC-3 / at 240 V / rated value	11 kW	
Operating current / rated value  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 400 V / rated value	18.5 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	15 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	63 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  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 • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance  Yes  Yes  Yes  Yes  Yes		500 V	
Suitability for use  • Main switch • switch disconnector • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance	Suitability		
<ul> <li>Main switch</li> <li>switch disconnector</li> <li>EMERGENCY OFF switch</li> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Appearance Yes Yes Yes Yes Yes Yes			
<ul> <li>switch disconnector</li> <li>EMERGENCY OFF switch</li> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Yes Yes Yes Appearance		Yes	
<ul> <li>EMERGENCY OFF switch</li> <li>safety switch</li> <li>maintenance/repair switch</li> </ul> Yes Yes Appearance		Yes	
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> <li>Yes</li> <li>Appearance</li> </ul>		Yes	
maintenance/repair switch  Yes  Appearance		Yes	
Color / of the actuating element red			
	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	6	
• minimum	14	
Type of electrical connection		
• for main current circuit	box terminal	
• for auxiliary contacts	connection terminals	
Requirements		
Design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 63 A	
• for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A	
Mechanical Design		
Height	106 mm	
Width	90 mm	
Depth	468.5 mm	
Mounting type	Built-in unit fixed-mounted version	
Mounting type		
• front mounting with 4-hole attachment	Yes	
<ul> <li>front mounting with central attachment</li> </ul>	No	
• rail mounting	Yes	
Net weight	696 g	

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

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SF

## Certificates

Reference code

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

## **General Product Approval**

Declaration of Conformity













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=3LD2514-1TL53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2514-1TL53

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2514-1TL53

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications











