SIEMENS

Data sheet 3LD2866-0TB53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 125 A, operating power / at AC-23 A 400 V: 45 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	4
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	104 kA2.s

Let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	104 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	125 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	75
• at 600 V / acc. to UL 508 / rated value	100
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]	40.W
• for rated value of the current / at AC / in hot	12 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	12 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	12 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	12 W 39 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 	12 W 39 A 80 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	12 W 39 A 80 A 125 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 	12 W 39 A 80 A 125 A 125 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	39 A 80 A 125 A 125 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 at AC-21 A / at 440 V / rated value	39 A 80 A 125 A 125 A 125 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 	39 A 80 A 125 A 125 A 125 A 125 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 	39 A 80 A 125 A 125 A 125 A 125 A 125 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 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value 	39 A 80 A 125 A 125 A 125 A 125 A 125 A 125 A 125 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 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 	39 A 80 A 125 A 125 A 125 A 125 A 125 A 125 A 80 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 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value 	39 A 80 A 125 A 125 A 125 A 125 A 125 A 125 A 80 A 80 A

• at 440 V / for combination switch + gG fuse / maximum • at 890 V / for combination switch + gG fuse / maximum permissible Short-time withstand current (low) • 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 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-23 A / 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 90	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 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 400 V / rated value • at AC-3 / at 490 V / rated value • at AC-3 / at 490 V / rated value • at AC-3 / at 490 V / rated value • at AC-3 / at 490 V / rated value • at AC-3 / at 490 V / rated value • at AC-3 / at 490 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 • 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	_	10 kA	
• limited to 1 s / rated value • at 690 V / limited to 1 s / rated value 2 000 A Main circuit Operating frequency • initial value • Full-scale value 50 Hz • Full-scale value 60 Hz Operating power • 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 400 V / rated value • at AC-34 A / at 50/60 Hz / rated value • at AC-34 A / at 50/0 V / rated value • at AC-37 at 240 V / rated value • at AC-37 at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 4690 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 • at AC-3 / at 690 V / rated value Operating current / rated value 25 A Auxiliary circuit Number of CO contacts / for auxiliary contacts • O Operating voltage / of auxiliary contacts • O Operating voltage / of auxiliary contacts / at AC / maxiliary contacts Operating voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability Suitability safety switch • safety switch • safety switch • maintenance/repair switch Yes Appearance	_	10 kA	
** at 690 V / limited to 1 s / rated value 2 000 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 22 kW ** at AC-23 A / at 400 V / rated value 45 kW ** at AC-23 A / at 400 V / rated value 45 kW ** at AC-23 A / at 400 V / rated value 45 kW ** at AC-23 A / at 490 V / rated value 45 kW ** at AC-3 A / at 490 V / rated value 37 kW ** at AC-3 A / at 490 V / rated value 37 kW ** at AC-3 / at 400 V / rated value 37 kW ** at AC-3 / at 400 V / rated value 37 kW ** at AC-3 / at 400 V / rated value 30 kW Operating current / rated value 125 A **Auxiliary circuit** Number of CO contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Operating voltage / of auxiliary contacts 0 Operating voltage / of auxiliary contacts 10 A value Insulation voltage / of the auxiliary switch / rated value **Sultability** Sultability* Sultability* Sultability for use **Main switch 49es **safety switch 49es **safety switch 49es **maintenance/repair switch 49es **Appearance**	Short-time withstand current (Icw)		
Main circuit	limited to 1 s / rated value	2 000 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 690 V / rated value • at AC-3 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 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 • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value 125 A Auxiliary circuit Number of CO contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Number of NC 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	• at 690 V / limited to 1 s / rated value	2 000 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 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 4690 V / rated value • at AC-3 / at 4690 V / rated value • at AC-3 / at 4690 V / rated value • at AC-3 / at 4690 V / rated value • at AC-3 / at 690 V / rated value • 22 kW • at AC-3 / at 690 V / rated value • 37 kW • at AC-3 / at 690 V / rated value Operating current / rated value 125 A Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts O Number of NC contacts / for auxiliary contacts O 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 • safety switch • safety switch • safety switch • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes	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 490 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 400 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 be at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value construction Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of 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 at AC-23 A / at 400 V / rated value Appearance 60 Hz We witch disconnector yes after yewitch 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 / 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 490 V / rated value • at AC-23 A / at 490 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 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 Operating current / rated value 125 A Auxiliary circuit Number of NC contacts / for auxiliary contacts O Number of NC contacts / for auxiliary contacts O 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 • safety 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 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 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 30 kW Operating current / rated value 125 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 auxiliary contacts Operating voltage / of auxiliary contacts Sou V maximum Continuous current / of the auxiliary contact / rated value Suitability Fes EMERGENCY OFF switch Safety switch Pes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes Appearance	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-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value 22 kW at AC-3 / at 400 V / rated value 37 kW at AC-3 / at 400 V / rated value 37 kW at AC-3 / at 690 V / rated value 30 kW Operating current / rated value 125 A Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Operating voltage / of 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 yes • Main switch • safety switch • safety switch • safety switch • maintenance/repair 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 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 30 kW Operating current / rated value 125 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 Suitability Suitability Suitability Suitability Suitability See See See See See See See See See Se	• at AC-23 A / at 240 V / rated value	22 kW	
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 at AC-3 / at 690 V / rated value 30 kW Operating current / rated value 125 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 Suitability Suitability Suitability EMERGENCY OFF switch a safety switch res maintenance/repair switch Yes Appearance	• at AC-23 A / at 400 V / at 50/60 Hz / rated value	45 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 30 kW Operating current / rated value 125 A Auxillary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of 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 Suitability EMERGENCY OFF switch Safety switch Pes maintenance/repair switch Yes Appearance	• at AC-23 A / at 400 V / rated value	45 kW	
at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 30 kW Operating current / rated value 125 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 / 500 V 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 res Appearance	• at AC-23 A / at 440 V / rated value	45 kW	
at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 30 kW Operating current / rated value 125 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 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 Appearance	• at AC-23 A / at 690 V / rated value	37 kW	
at AC-3 / at 690 V / rated value Operating current / rated value 125 A Auxiliary circuit Number of CO 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 for use Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	• at AC-3 / at 240 V / rated value	22 kW	
Operating current / rated value Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Ourmber 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 Appearance	• at AC-3 / at 400 V / rated value	37 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	30 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	125 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	
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		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	
 Main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Appearance Yes Yes Yes Yes Appearance	Suitability		
 switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Yes Yes Appearance	Suitability for use		
EMERGENCY OFF switch safety switch maintenance/repair switch Appearance Pes Yes Yes Yes Appearance	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			
	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.	10 kA	
to UL 508		
Conditional short-circuit current / with line-side fuse protection		
• at 690 V / by gG fuse / rated value	20 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	1	
• minimum	12	
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: 125 A	
• for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A	
Mechanical Design		
Height	302 mm	
Width	212 mm	
Depth	181 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	1 883 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 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=3LD2866-0TB53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2866-0TB53

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2866-0TB53

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











