SIEMENS

Data sheet 3LD2517-0TK13



SENTRON, switch disconnector 3LD, EMERGENCY OFF switch, 3-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, defeatable knob-operated 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
type of switch	Floor mounting with door coupling
design of the actuating element	selector switch
color / of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
size of switch disconnector	3
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
operating frequency / maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
operating voltage	
at AC / rated value	690 V
operating frequency / rated value	
• minimum	50 Hz
maximum	60 Hz
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] / for rated value of the current / at AC / in hot operating state / per pole	4.5 W
Current	
operational current / rated value	63 A
operational current	
 at 40 °C / rated value 	63 A
 at 45 °C / rated value 	63 A

• at 50 - C/ rated value	a at 50 °C / rated value	63 A
### At AC / rated value 63 A	at 50 °C / rated value t 55 °C / rated value	63 A
Manin circuit		
A		007
at AC-21 / at 840 V / rated value 63 A 63 A 63 A 64 AC-21 A / at 440 V / rated value 63 A 64 AC-21 A / at 440 V / rated value 63 A 64 AC-21 A / at 440 V / rated value 63 A 64 AC-21 A / at 440 V / rated value 63 A 64 AC-23 A / at 400 V / rated value 143 A 64 AC-23 A / at 420 V / rated value 22 kW 64 AC-23 A / at 420 V / rated value 22 kW 64 AC-23 A / at 440 V / rated value 22 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 19 kW 64 AC-23 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / at 440 V / rated value 10 kW 64 AC-24 A / rated value 10 kW 64		
at AC-21 A / at 400 V / rated value	·	63 A
** at AC-21 A / at 400 V / rated value		
* at AC-21 A / at 44 0 V / rated value 43 A operating power at AC-23 A / at 240 V / rated value 11 kW at AC-23 A / at 240 V / rated value 22 kW at AC-23 A / at 440 V / rated value 22 kW at AC-23 A / at 40 V / rated value 22 kW at AC-23 A / at 40 V / rated value 19 kW at AC-23 A / at 400 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 240 V / rated value 15 kW at AC-3 / at 240 V / rated value 15 kW at AC-3 / at 240 V / rated value 15 kW auxiliary cortacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts 0 cumber of NC contacts / for auxiliary contacts / at AC / maximum 500 V contacts / for auxiliary contacts /		
e at AC-23 A / at 400 V / rated value operating power at AC-23 A / at 400 V / rated value 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 400 V / rated value 19 kW at AC-33 A / at 240 V / rated value 19 kW at AC-37 at 240 V / rated value 19 kW at AC-37 at 240 V / rated value 19 kW at AC-37 at 240 V / rated value 19 kW at AC-37 at 240 V / rated value 10 kW at AC-37 at 240 V / rated value 10 kW at AC-37 at 240 V / rated value 10 kW at AC-37 at 240 V / rated value 10 kW at AC-37 at 240 V / rated value 10 kW at AC-37 at 240 V / rated value 10 contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 10 a number of NO contacts / for auxiliary contacts 10 a number of NO contacts / for auxiliary contact / rated value 20 kurbaility 20		
** 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 580 V / rated value 19 kW at AC-37 at 240 V / rated value 11 kW at AC-3 / at 480 V / rated value 15 kW 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 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 vertically suitability for use emain switch Yes emain switch Yes estely switch Yes endintenance/repair switch Yes Product details product feature / can be locked into OFF position accessories product extension / optional emotor drive evoltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum at 680 V / by g C fuse / rated value letthrough current / with line-side fuse / maximum at 440 V / for combination switch + gG fuse / maximum et at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for		11 kW
at AC-23 A / at 4590 V / rated value at AC-3 / at 400 V / rated value 11 kW at AC-3 / at 400 V / rated value 15 kW 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 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 noperating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / voltage / ves insulation voltage	at AC-23 A / at 400 V / rated value	22 kW
at AC-3 / at 240 V / rated value at AC-3 / at 960 V / rated value 15 kW 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 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contact / at AC / maximum continuous current / of the auxiliary switch / rated value 10 A insulation voltage / of the auxiliary switch / rated value 10 A insulation voltage / of the auxiliary contact / rated value 10 A insulation voltage / for the auxiliary contact / rated value 10 A insulation voltage / for the auxiliary contact / rated value 10 A insulation voltage / for the auxiliary contact / Yes 10 a voltage insulation / Yes 10 a voltage insulation / Yes 10 a voltage visit / Yes 11 a voltage visit / Yes 12 a voltage trigger 12 a voltage trigger 13 a voltage trigger 14 a voltage trigger 15 a voltage trigger 16 a voltage trigger 17 a voltage trigger 18 a voltage trigger 18 a voltage trigger 19 a voltage trigger 19 a voltage trigger 20 a voltage trigger 21 a voltage trigger 22 a voltage trigger 23 a voltage trigger 24 a voltage trigger 25 a voltage trigger 26 a voltage trigger 27 a voltage trigger 28 a voltage trigger 29 a voltage trigger 29 a voltage trigger 20 a voltage trigger 20 a voltage trigger 20 a voltage trigger 21 a voltage trigger 21 a voltage trigger 22 a voltage trigger 23 a voltage trigger 24 a voltage trigger 25 a voltage trigger 26 a voltage trigger 27 a voltage trigger 28 a voltage trigger 29 a voltage trigger 29 a voltage trigger 20 a voltage tri	 at AC-23 A / at 440 V / rated value 	22 kW
at AC-3 / at 400 V / rated value at AC-3 / at 590 V / rated value at AC-3 / at 590 V / rated value 15 kW Auxillary cortet number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxillary contact / rated value 500 V continuous current / of the auxillary switch / rated value 500 V suitability suitability for use main switch switch disconnector EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Product details product feature / can be locked into OFF position eccessories product vetension / optional motor drive voltage trigger number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum attachable / maximum number of connectable NC contacts / for auxillary contacts / attachable / maximum	at AC-23 A / at 690 V / rated value	19 kW
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Auxillary 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 soutability Sutability Sutability Sutability Sutability Sutability Fea • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • main samich • maintenance/repair switch • safety switch • maintenance/repair switch • name of connectable of contacts / for auxiliary contacts • reproduct details product feature / can be locked into OFF position • repair switch • woltage trager No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maxim	at AC-3 / at 400 V / rated value	19 kW
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 solve / for the auxiliary switch / rated value solve / suitability	at AC-3 / at 690 V / rated value	15 kW
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 contacts / rated value insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch • research / yes • safety switch • maintenance/repair switch • research / yes • safety switch • maintenance/repair switch • research / yes • voltage trigger product detautes product eleature / can be locked into OFF position • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum attachable / maximum safe of the bracket locks / maximum attachable / maxi	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 500 V Suitability suitability for use • main switch • switch disconnector • MERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch Product details product feature / can be locked into OFF position **Cooperation** **Cooperation** **Product details product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum **Inapproximate of the bracket locks / maximum **Inapproximate / maximum **Inappro	number of CO 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 Soutability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • safety switch • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Product details product seture / can be locked into OFF position • caccessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum shasp thickness / of the bracket locks hasp thickness / of the bracket locks hasp thickness / of the bracket locks short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum		0
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V Suitability for use • main switch • switch disconnector • Safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • safety switch • maintenance/repair switch • maintenance/repair switch • res • safety switch • safety switch • maintenance/repair switch • res • safety switch • safe		
insulation voltage / of the auxiliary switch / rated value Sultability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details product deature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum 3 hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by G fuse / rated value • at 4240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 4240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum permissible 121 value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible 121 value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible		
Suitability suitability for use • main switch • switch disconnector • Ses • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • yes Product details product details product extension / optional • motor drive • No • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / maximum a hasp thickness / of the bracket locks \$ 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / reted value • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse / maximum		
• main switch		500 V
main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes roduct details product details product seature / can be locked into OFF position accessories product extension / optional more of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum shasp thickness / of the bracket locks attachable / maximum number of bracket locks / maximum shasp thickness / of the bracket locks attachable / maximum for the state of the bracket locks attachable / maximum shasp thickness / of the bracket locks attachable / maximum for the state of the bracket locks attachable / maximum shasp thickness / of the bracket locks attachable / maximum for the state of the st	-	
switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch real maintenance/repair switch real maintenance/repair switch real maintenance/repair switch Product details product feature / can be locked into OFF position **Research** **Research** **Product extension / optional **Independent of the position of the product extension / optional **Independent of the position of the posi		
EMERGENCY OFF switch safety switch maintenance/repair switch res maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional motor drive voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / maximum a hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value bet-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 690 V / by combination switch + gG fuse / maximum at 640 V / for combination switch + gG fuse / maximum at 640 V / for combination switch + gG fuse / maximum at 640 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch at 240 V / for combination switch + gG fuse / maximum permissible 21 kA2.s maximum		
safety switch maintenance/repair switch Yes maintenance/repair switch Yes Product details product feature / can be locked into OFF position accessories product extension / optional number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum shasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible lit value / with closed switch at 240 V / for combination switch + gG fuse / maximum permissible lit value / with closed switch at 240 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible		
maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional		
Product details product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum abap thickness / of the bracket locks **Short circuit* conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible Izt value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible Izt value / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum full closed switch • at 240 V / for combination switch + gG fuse / maximum	•	
product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / maximum 3 hasp thickness / of the bracket locks \$\text{4 6 mm}\$ Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 1et-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / br combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible	·	Yes
product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum 3 hasp thickness / of the bracket locks **Nort circuit** conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible at 240 V / for combination switch + gG fuse / maximum permissible at 240 V / for combination switch + gG fuse / maximum permissible		V
product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum a hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible • at 240 V / for combination switch + gG fuse / maximum permissible		Tes
motor drive voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum abap thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible lzt value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible lzt value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible 21 kA2.s maximum		
voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum namber of bracket locks / maximum shasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / 6 kA maximum • at 690 V / for combination switch + gG fuse / 6 kA maximum permissible let value / with closed switch • at 240 V / for combination switch + gG fuse / 6 kA maximum permissible let value / with closed switch • at 240 V / for combination switch + gG fuse / 6 kA maximum permissible let value / with closed switch • at 240 V / for combination switch + gG fuse / 6 kA maximum permissible let value / with closed switch • at 240 V / for combination switch + gG fuse / 6 kA	·	No
number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum number of bracket locks / maximum a hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection a t 690 V / by gG fuse / rated value let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch at 240 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch at 240 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch at 240 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch at 240 V / for combination switch + gG fuse / maximum permissible		
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum a hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / f	number of connectable NC contacts / for auxiliary contacts	
number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum	number of connectable NO contacts / for auxiliary contacts	5
number of bracket locks / maximum hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / fuse / maximum • at 690 V / for combination switch + gG fuse / fu		0
hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 21 kA2.s	/ attachable / maximum	
Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum All 240 V / for combination switch + gG fuse / maximum All 240 V / for combination switch + gG fuse / maximum All 240 V / for combination switch + gG fuse / maximum All 240 V / for combination switch + gG fuse / maximum		
conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 21 kA2.s	·	4 0
protection • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible l2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum A		
let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum	protection	
 at 240 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch at 240 V / for combination switch + gG fuse / maximum 		5U KA
maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 21 kA2.s	•	C IA
maximum • at 690 V / for combination switch + gG fuse / maximum permissible 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 21 kA2.s	maximum	
maximum permissible I2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum 21 kA2.s	maximum	6 kA
• at 240 V / for combination switch + gG fuse / 21 kA2.s maximum		6 kA
maximum	l2t value / with closed switch	
• at 440 V / for combination switch + gG fuse / 21 kA2.s		21 kA2.s
	 at 440 V / for combination switch + gG fuse / 	21 kA2.s

maximum	
• at 690 V / for combination switch + gG fuse / 21 kA2.s	
maximum	
design of the fuse link	
• for short-circuit protection of the main circuit / fuse gL/gG: 63 A required	
 for short-circuit protection of the auxiliary switch / required 	
operational current / of upstream fuse / rated value 63 A	
according UL	
operational current / at AC / according to UL 508/UL 63 A 60947-4-1 / rated value	
operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value	
active power [hp] / at AC / at 480 V / according to UL 40 508/UL 60947-4-1 / rated value	
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	
continuous current / of upstream fuse / according to UL / 175 A rated value	
type of fuse / according to UL RK5	
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum 6	
• minimum 14	
type of connectable conductor cross-sections / for copper conductor	
• solid 1x (2,535mm²)	
• finely stranded / with core end processing 1x (2.516 mm²)	
• stranded 1x (2,535mm²)	
type of connectable conductor cross-sections / for auxiliary contacts	
 solid lateral auxiliary switch 2x switch 1x (0,75 2,5mm 	(0,75 2,5mm²), 1x 4mm²; front auxiliary
 finely stranded / with core end processing lateral auxiliary switch 2x switch 1x 2,5mm² 	(0,75 1,5mm²), 1x 2,5mm²; front auxiliary
• stranded lateral auxiliary switch 2x switch 1x (0,75 2,5mm	(0,75 2,5mm²), 1x 4mm²; front auxiliary
type of electrical connection	
• for main current circuit box terminal	
• for auxiliary contacts connection terminals	
Mechanical Design	
height 91 mm	
width 67 mm	
depth 395 mm	
type of device fixed mounting	d version
fastening method fastening method Built-in unit fixed-mounte	u versiuli
4-hole front mounting Yes	
• front mounting with central attachment No	
• rail mounting Yes	
net weight 566 g	
Environmental conditions	
ambient temperature / during operation	
• minimum -25 °C	
• maximum 55 °C	
ambient temperature / during storage	
• minimum -25 °C	
• maximum 55 °C	
General Product Approval	





Confirmation





Miscellaneous

General Product Approval

Declaration of Conformity

Test Certificates

Marine / Shipping

other







Special Test Certificate



Environmental Confirmations

other

Miscellaneous

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=3LD2517-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2517-0TK13

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2517-0TK13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











