SIEMENS

Data sheet 3LD2030-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, lu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, installation in distribution boards, knob-operated mechanism, Red / yellow, handle direct at the switch

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	DIN-rail mounting
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	1
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	IP40
protection class IP / on the front	IP40
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.5 W
Current	
operational current / rated value	16 A
operational current	
• at 40 °C / rated value	16 A
• at 45 °C / rated value	16 A
 at 50 °C / rated value 	16 A

■ all AC / raided value	a at 55 °C / rated value	16 A
According to	at 55 °C / rated value at 4C / rated value	
Comparison Current		1071
al AC-21 / al 600 V / rated value al AC-21 A / at 240 V / rated value al AC-21 A / at 400 V / rated value al AC-21 A / at 400 V / rated value al AC-23 A / at 400 V / rated value al AC-23 A / at 400 V / rated value al AC-23 A / at 400 V / rated value al AC-23 A / at 400 V / rated value al AC-23 A / at 400 V / rated value al AC-23 A / at 440 V / rated value al AC-23 A / at 440 V / rated value al AC-23 A / at 440 V / rated value al AC-23 A / at 440 V / rated value al AC-23 A / at 400 V / rated value al AC-31 at 500 V / rated value al AC-31 at 500 V / rated value al AC-31 at 500 V / rated value al AC-31 at 500 V / rated value al AC-31 at 500 V / rated value al AC-31 at 500 V / rated value al AC-		
e. al. AC-21 A. / at 240 V / rated value	•	16 A
at AC-21 A / at 400 V / rated value		
e at AC-23 A / at 400 V / rated value operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-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 500 V / rated value at AC-3 / at 500 V / rated value at AC-3 / at 500 V / rated value at AC-3 / at 500 V / rated value at AC-3 / at 500 V / rated value at AC-3 / at 500 V / rated value be at AC-3 / at 500 V / rated value continuous contents of for auxiliary contacts operating voltage / for auxiliary contacts operating voltage		
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 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-31 at 400 V rated value b at AC-31 at 400 V rated value at AC-31 at 400 V rated value 5.5 kW Auxiliary circuit number of CO contacts / for auxiliary contacts number of No contacts / for auxiliary contacts e main switch switch disconnector yes e main switch switch disconnector Yes e main switch safety switch safety switch e maintenance/epair switch Yes Product detains product teature / can be locked into OFF position Yes Product detains product extension / optional e motor drive No No No voltage trigger No number of connectable No contacts / for auxiliary contacts / attachable / maximum number of connectable No contacts / for auxiliary contacts / attachable / maximum at 600 V / by G fuse / rated value so No at 440 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for combination switch + gG fuse / maximum at 600 V / for		
operating power at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-32 A / at 440 V / rated value at AC-32 A / at 400 V / rated value at AC-31 at 240 V / rated value at AC-31 at 240 V / rated value at AC-31 at 240 V / rated value be at AC-31 at 690 V / rated value at AC-31 at 690 V / rated value at AC-31 at 690 V / rated value continuous current / of the auxiliary contacts conumber of NC contacts / for auxiliary contacts continuous current / of the auxiliary contacts operating voltage / of auxiliary contacts / rated value insulation voltage / of the auxiliary contact / rated value suitability for use main switch switch folsomector emain switch switch folsomector emain switch ves maintenance/repair switch yes emain switch safety switch rated value maintenance/repair switch yes product extension / optional motor drive voltage trigger product extension / optional motor drive voltage trigger product extension / optional motor drive voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum and monorectable NC contacts / for auxiliary contacts / attachable / maximum and set of the bracket locks // attachable / maximum has phickness / of the bracket locks // attachable / maximum at 460 V / by G fuse / rated value solve of the bracket locks // attachable / maximum at 460 V / for combination switch + gG fuse / maximum at 460 V / for combination switch + gG fuse / maximum at 460 V / for combination switch + gG fuse / maximum at 460 V / for combination switch + gG fuse / maximum at 460 V / for combination switch + gG fuse / maximum at 460 V / for combination switch + gG fuse / maximum at 680 V / for combination switch + gG fuse / maximum at 680 V / for combination switch + gG fuse / maximum at 680 V / for combination switch + gG fuse / maximum at 680 V / for combination switch + gG fuse / maximum at 680 V / for combination swit		
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-32 A / at 440 V / rated value at AC-31 A / at 490 V / rated value at AC-31 At 240 V / rated value at AC-31 at 490 V / rated value at AC-31 at 690 V / rated value at AC-31 at 690 V / rated value sat AC-32 at 690 V / rated value sumber of CO contacts / for auxiliary contacts		
e at AC-23 A / at 460 V / rated value 8 kW e at AC-37 at 240 V / rated value 8 kW e at AC-37 at 240 V / rated value 6 kW e at AC-37 at 260 V / rated value 6 kW e at AC-37 at 690 V / rated value 6 kW e at AC-37 at 690 V / rated value 6 kW e at AC-37 at 690 V / rated value 6 kW e at AC-37 at 690 V / rated value 7 kW e at AC-37 at 690 V / rated value 7 kW e at AC-37 at 690 V / rated value 9 kW e at AC-37 at 690 V / rated value 9 kW e at AC-37 at 690 V / rated value 9 kW e at AC-37 at 690 V / rated value 9 kW e at AC-37 kW e at AC-3		4 kW
at AC-3 A / at 690 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value b (at AC-3 / at 690 V / rated value c (at AC-3 / at 690 V / rated value b (5.5 kW) Auxillary circuit 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 insulation voltage / of the auxillary switch / rated value insulation voltage / of the auxillary switch / rated value suitability suitability suitability for use main switch with disconnector with with with with with yes with disconnector with disconnector with disconnector with disconnector with with with yes with disconnector with disconnector with disconnector with with yes with disconnector with yes Product details product details product details product extension / optional more of can be locked into OFF position with yes Product details product extension / optional with yes Product details product extension / optional with yes No No No No No No No No No N	at AC-23 A / at 400 V / rated value	8 kW
at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 5 kW at AC-3 / at 690 V / rated value 5 kW at AC-3 / at 690 V / rated value 5 kW auxilary 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 / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voitage / of the auxiliary contact / rated value insulation voitage / of the auxiliary contact / rated value insulation voitage / of the auxiliary contact / rated value insulation voitage / of the auxiliary contact / rated value insulation voitage / of the auxiliary contact / reserved in the auxiliary contacts / reserved in the auxiliary contact / reserved in the auxiliary contacts / reserved in the auxiliary con	 at AC-23 A / at 440 V / rated value 	7.5 kW
at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value building ricroit number of CO contacts / for auxiliary contacts number of NC 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 contacts / at AC / maximum continuous current / of the auxiliary contacts / at AC / maximum suitability for use main switch main	 at AC-23 A / at 690 V / rated value 	8 kW
* at AC-3 / at 690 V / rated value Auxillary circuit number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 0 0 0 0 0 0 0 0	at AC-3 / at 240 V / rated value	3 kW
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 Froduct details product feature / can be locked into OFF position cocassorios product extension / optional motor drive voltage trigger note 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 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 2 hasp thickness / of the bracket locks / attachable / maximum 2.5 kA2.s switch / at 680 V / for combination switch + gG fuse / maximum 2.5 kA2.s	at AC-3 / at 400 V / rated value	6 kW
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 / a tax / (maximum continuous current / of the auxiliary contact / rated value	at AC-3 / at 690 V / rated value	5.5 kW
number of NC contacts / for auxiliary contacts	Auxiliary circuit	
number of NO contacts / for auxiliary contacts 0 0 0 0 0 0 0 0 0	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 500 V Suitability suitability suitability or us enain switch Switch disconnector EMERGENCY OFF switch Switch disconnector EMERGENCY OFF switch Switch disconnector EMERGENCY OFF switch Switch disconnector Inability or us Switch disconnector Switch Switch disconnector Switch Switch disconnector Switch Swi	<u> </u>	0
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Stitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • safety switch • maintenance/repair switch Product details 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 number of bracket locks / maximum 2 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 • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 490 V / for combination switch + gG fuse / maximum • at 490 V / for combination switch + gG fuse / maximum • at 690 V / thic closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum		0
insulation voltage / of the auxiliary switch / rated value Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch Product detairs product feature / can be locked into OFF position • 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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum 2 hasp thickness / of the bracket locks 4 6 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 590 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 et at 690 V / by G fuse / maximum lit value / with closed switch / at 440 V / for combination switch + gG fuse / maximum lit value / with closed switch / at 440 V / for combination switch + gG fuse / maximum lit value / with closed switch / at 440 V / for combination switch + gG fuse / maximum lit value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	operating voltage / of auxiliary contacts / at AC / maximum	500 V
Sultability or us In main switch In main switch In switch disconnector In safety switch disconnector In safety switch In safety safety switch In safety safety safety safety sa	continuous current / of the auxiliary contact / rated value	10 A
suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • res • safety switch • maintenance/repair switch • res • product details product feature / can be locked into OFF position • cocessories 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 number of reacket locks / for auxiliary contacts / attachable / maximum number of reacket locks / for auxiliary contacts / attachable / maximum conditional short-circuit current / with line-side fuse protection • at 690 V / by G 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 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 2.5 kA2.s	insulation voltage / of the auxiliary switch / rated value	500 V
main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Product details product details product feature / can be locked into OFF position sccssories product extension / optional	Suitability	
Switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Product details product detairs / 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 / for auxiliary contacts / attachable / maximum number of bracket locks / sor auxiliary contacts / attachable / maximum number of bracket locks / sor auxiliary contacts / attachable / maximum number of bracket locks / sor auxiliary contacts / attachable / maximum number of bracket locks / sor auxiliary contacts / attachable / maximum number of bracket locks / sor auxiliary contacts / attachable / maximum at 690 V / by gG fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 690 V / by 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 / switch / at 440 V / for combination switch + gG fuse / maximum 2.5 kA2.s skA2.s	suitability for use	
EMERGENCY OFF switch asafety switch maintenance/repair switch Yes 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 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 2 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 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 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 at 690 V/ for combination switch / at 240 V/ for combination switch + gG fuse / maximum 2.5 kA2.s 2.5 kA2.s	main switch	Yes
* safety switch * maintenance/repair switch Yes 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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of torancetable CO contacts / for auxiliary contacts / attachable / maximum number of toracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum 2 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 iet-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 4690 V / for combination switch + gG fuse / maximum • at 490 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 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	 switch disconnector 	Yes
 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 / maximum number of bracket locks / maximum number of bracket locks / maximum 2 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 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 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 2.5 kA2.s switch + gG fuse / maximum 2.5 kA2.s 2.5 kA2.s switch + gG fuse / maximum 22 value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 2.5 kA2.s 	 EMERGENCY OFF switch 	Yes
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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of stracket locks / maximum number of bracket locks / maximum 2 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 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 • 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 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 3 kA2.s	safety switch	Yes
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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of stracket locks / maximum number of bracket locks / maximum number of bracket locks / maximum 2 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 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 490 V / for combination switch + gG fuse / maximum • at 690 V / br combination switch + gG fuse / maximum • at 690 V / br 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 • 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 • at 690 V / for combination switch + gG fuse / maximum 2.5 kA2.s	 maintenance/repair switch 	Yes
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 2 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 permissible 25 kA2.s 21 value / with closed switch / at 240 V / for combination 2.5 kA2.s 3 kA2.s 3 kA2.s	Product details	
product extension / optional	product feature / can be locked into OFF position	Yes
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 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 at spin tickness / 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 Izt value / with closed switch / at 240 V / for combination switch + gG fuse / maximum Izt value / with closed switch / at 440 V / for combination switch + gG fuse / maximum Izt value / with closed switch / at 440 V / for combination switch + gG fuse / maximum Izt value / with closed switch / at 690 V / for combination switch + gG fuse / maximum Izt value / with closed switch / at 690 V / for combination switch + gG fuse / maximum Izt value / with closed switch / at 690 V / for combination switch + gG fuse / maximum Izt value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	accessories	
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 a that 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 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 I2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination switch / at 690 V / for combina	product extension / optional	
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 2 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 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 / for combination switch + gG fuse / maximum permissible 12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch / gG fuse / maximum	motor drive	No
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 asp 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 / 3 kA maximum permissible L2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum L2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	 voltage trigger 	No
number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum 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 / switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / switch / gG fuse / waximum permissible 12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 12t value / with closed switch / at 690 V / for combination 12t value / with closed switch / at 690 V / for combination 3 kA2.s		2
number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum 2 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 l2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination switch / at 690 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination switch /		4
number of bracket locks / maximum 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 l2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination 3 kA2.s		
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 l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination switch / at 690 V / for		0
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 l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination 3 kA2.s	number of bracket locks / 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 • at 690 V / for combination switch + gG fuse / maximum permissible I2t value / with closed switch / at 240 V / for combination switch + gG fuse / with closed switch / at 440 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination 3 kA2.s	·	4 6 mm
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 l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum l2t value / with closed switch / at 690 V / for combination 3 kA2.s	Short circuit	
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 12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 3 kA2.s		
 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 I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination 3 kA 3 kA 2.5 kA2.s 3 kA 3 kA	• at 690 V / by gG fuse / rated value	50 kA
maximum • at 440 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 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 3 kA2.s	let-through current / with closed switch	
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 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 3 kA2.s	•	3 kA
maximum permissible I2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum I2t value / with closed switch / at 690 V / for combination 3 kA2.s		3 kA
switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 3 kA2.s		3 kA
switch + gG fuse / maximum 12t value / with closed switch / at 690 V / for combination 3 kA2.s		2.5 kA2.s
		2.5 kA2.s
		2 kA2 a

design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 20 A
for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	20 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	16 A
operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value	600 V
active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value	7.5
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	10
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA
continuous current / of upstream fuse / according to UL / rated value	50 A
type of fuse / according to UL	RK5
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	10
• minimum	18
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (16mm²)
finely stranded / with core end processing	1x (14mm²)
• stranded	1x (16mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded / with core end processing stranded 	2x (0.75 1.5 mm²), 1x 2.5 mm²
type of electrical connection	2x (0.75 2.5 mm²), 1x 4 mm²
• for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	45 mm
width	53 mm
depth	91 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	No
 front mounting with central attachment 	No
rail mounting	Yes
net weight	171 g
Environmental conditions	
ambient temperature / during operation	05.00
• minimum	-25 °C
maximum ambient temperature / during storage	55 °C
ambient temperature / during storage • minimum	-25 °C
minimum maximum	-25 °C
	33 C
General Product Approval	



Confirmation







Miscellaneous

General Product Approval

Declaration of Conformity

Test Certificates

Marine / Shipping

other







Special Test Certificate



Miscellaneous

other

Environmental Confirmations

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=3LD2030-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2030-0TK13

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

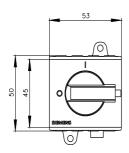
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2030-0TK13

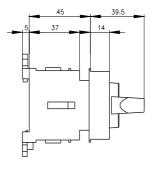
CAx-Online-Generator

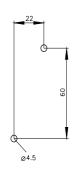
http://www.siemens.com/cax

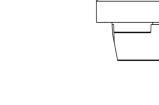
Tender specifications

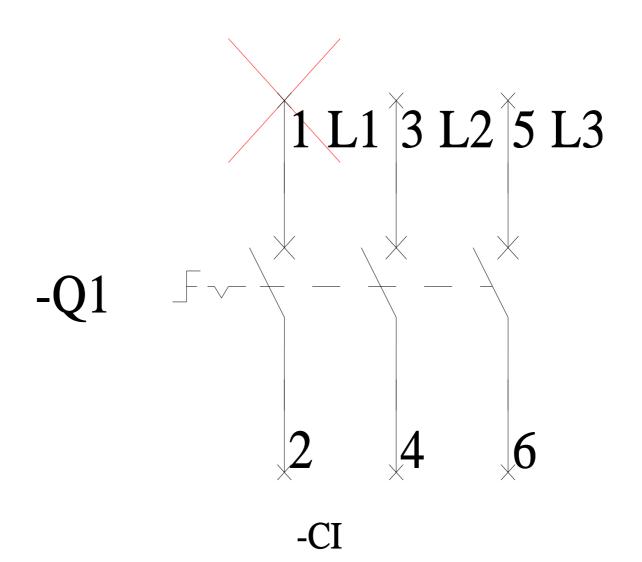
http://www.siemens.com/specifications

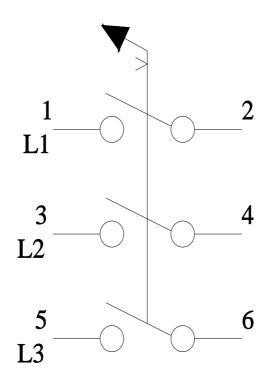












7