SIEMENS

Data sheet 3LD2022-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, Iu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, front-mounted, knob-operated mechanism, red/yellow, 4-hole mounting of the handle

product brand name design of the product design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of the actuating element design of the actuating element design of handle type of the driving mechanism / motor drive Ceneral technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / typical insulation voltage / rated value operating frequency / maximum degree of pollution Voltago insulation voltage / rated value	Model		
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• at 50 °C / rated value • at AC / rated value poperational current • at AC 21 / at 860 °V / rated value • at AC 22 / at 860 °V / rated value • at AC 22 / at 860 °V / rated value • at AC 22 / at 860 °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 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 at 400 °V / rated value • at AC 3 / at 240 °V / rated value • at AC 3 / at 240 °V / rated value • at AC 3 / at 400 °V / rated value • at AC 3 / at 690 °V / rated value poperating valtage of auxiliary contacts of a value value of C0 contacts of the auxiliary contacts of a value value value of C0 contacts of the auxiliary contacts of a value value value of C0 contacts of the auxiliary contacts of a value v	a at E0 °C / rated value	16.0
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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 be at AC-3 / at 140 V / rated value at AC-3 / at 190 V / rated value be at AC-3 / at 190 V / rated value be at AC-3 / at 190 V / rated value control CO contacts / for auxiliary contacts number of CO contacts / for auxiliary contacts operating voltage / of auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value continuous current / of the auxiliary switch / rated value suitability suitability suitability suitability suitability for use main switch switch disconnector was witch disconnector was witch disconnector was witch disconnector was witch disconnector was reproduct details product feature / can be locked into OFF position was coessories product details product details product feature / can be locked into OFF position was coessories product details product feature / can be locked into OFF position was coessories product feature / can be locked into OFF position was coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position was coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF position a coessories product feature / can be locked into OFF pos		
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at AC-3 / at 400 V / rated value 5.5 kW Auxiliary cruit 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 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary switch / rated value 500 V Suitability suitability for use		
author 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 number of NO contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts number of NO contacts / for auxiliary contact / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of uthe insulation voltage / of the auxiliary switch / rated value suitability for use a main switch a switch disconnector b switch disconnector c safety switch a safety switch b maintenance/repair switch yes cocessories product deature product deature / can be locked into OFF position cocessories product extension / optional mumber 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 a to solve / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum 2 has ptickness / of the bracket locks 4 6 mm Short circuit a to 40 V / for combination switch + gG fuse / maximum a to 40 V / for combination switch + gG fuse / maximum a to 40 V / for combination switch + gG fuse / maximum a to 40 V / for combination switch + gG fuse / maximum 2 to 50 KA 2 5 KA2 s		
Auxillary circuit number of CO contacts / for auxiliary contacts		
number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value operating voltage / of the auxiliary switch / rated value sout to suit the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary switch / rated value sout the following service of the auxiliary contacts / rated value / rate		5.5 KVV
number of NC contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / 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 / of the auxiliary switch / rated value insulation voltage / of the auxiliary contacts / rated value insulation voltage / of the auxiliary contacts / rated value insulation voltage / of the auxiliary contacts / of rated value insulation voltage / of the racket locks / maximum insulation voltage / of the auxiliary contacts / of rated value insulation voltage / of the racket locks / rated value insulation voltage / of the voltage / rated value insulation voltage / of the voltage		
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 Yes • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Product dotals product feature / can be locked into OFF position Yes accessories 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 number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum alsap trickness / of the bracket locks • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 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 / by Gombination 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 • 200 V / for combination switch + gG fuse / maximum • 200 V / for combination switch / gG fuse / maximum • 200 V / for combination switch / gG fuse / maximum • 200 V / for combination switch / gG fuse / maximum • 200 V / for combination switch / gG fuse / maximum	•	
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Suttability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • yes 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 tracket locks / maximum number of bracket locks / maximum 2		
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 • maintenance/repair switch Product details product details product detailr / can be locked into OFF position **Recessories** 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 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 2 hasp thickness / of the bracket locks / aximum 2 hasp thickness / of the bracket locks / so kA short circuit conditional short-circuit current / with line-side fuse protection • at 890 V / by GG fuse / rated value 10 tel-through current / with closed switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum permissible 12 tvalue / with closed switch / at 240 V / for combination switch + gG fuse / maximum permissible 12 tvalue / with closed switch / at 240 V / for combination switch + gG fuse / maximum permissible 12 tvalue / with closed switch / at 240 V / for combination switch + gG fuse / maximum 2.5 kA2.s	-	
insulation voltage / of the auxiliary switch / rated value Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • 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 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 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 1 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 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 permissible 12t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum 2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum		
Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • safety switch • maintenance/repair switch • safety switch • maintenance/repair switch • respectively switch • safety switch • safety switch • maintenance/repair switch Product details product details product eature / can be locked into OFF position **CCESSORIES** 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 pracket locks / for auxiliary contacts / attachable / maximum number of pracket 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 G fuse / rated value • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 480 V / for combination switch + gG fuse / maximum • at 480 V / for combination switch + gG fuse / maximum • at 480 V / for combination switch + gG fuse / maximum permissible 221 value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 221 value / with closed switch / at 240 V / for combination 221 value / with closed switch / at 240 V / for combination 221 value / with closed switch / at 240 V / for combination 221 value / with closed switch / at 240 V / for combination 221 value / with closed switch / at 240 V / for combination		
■ main switch ■ main switch ■ switch disconnector ■ EMERGENCY OFF switch ■ safety switch ■ maintenance/repair switch ■ roduct details ■ 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 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 ■ 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 440 V / for combination switch + gG fuse / maximum ■ at 440 V / for combination switch + gG fuse / maximum permissible 22 value / with closed switch / at 240 V / for combination 32 value / with closed switch / at 240 V / for combination 34 value / with closed switch / at 240 V / for combination 25 value / with closed switch / at 240 V / for combination 25 value / with closed switch / at 240 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 440 V / for combination 25 value / with closed switch / at 240 V / for combination 25 value / with closed switch / at 240 V / for combination 25 value / with closed switch / at 240 V / for combination	insulation voltage / of the auxiliary switch / rated value	500 V
main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes Product details product feature / 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 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 et-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 690 V / for combination switch + gG fuse / maximum permissible Izt value / with closed switch / at 440 V / for combination switch + gG fuse / maximum permissible Izt value / with closed switch / at 440 V / for combination switch /	Suitability	
Switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Product details product feature / can be locked into OFF position **Recessories** **Product extension / optional	suitability for use	
EMERGENCY OFF switch safety switch 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 NO contacts / for auxiliary contacts / attachable / maximum 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 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 12t 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 12t 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 12t value / with closed switch / at 240 V / for combination 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 No 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 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 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 2.5 kA2.s		Yes
maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional	 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 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 480 V / for combination switch + gG fuse / maximum • at 890 V / for combination switch + gG fuse / maximum • at 890 V / for combination switch + gG fuse / maximum • at 890 V / for combination switch + gG fuse / maximum • at 890 V / for combination switch + gG fuse / maximum • at 890 V / for combination switch + gG fuse / maximum • at 890 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 2.5 kA2.s		
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 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 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 Izt value / with closed switch / at 440 V / for combination Izt value / with closed switch / at 440 V / for combination Izt value / with closed switch / at 440 V / for combination Izt value / with closed switch / at 440 V / for combination Izt value / with closed switch / at 440 V / for combination Izt value / with closed switch / at 440 V / for combination	safety switch	Yes
product extension / optional	safety switchmaintenance/repair switch	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 / 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 • 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 2.5 kA2.s	safety switchmaintenance/repair switch	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 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 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 / at 240 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 2.5 kA2.s	safety switch maintenance/repair switch Product details product feature / can be locked into OFF position	Yes Yes
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 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 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 l2t value / with closed switch / at 440 V / for combination l2t value / with closed switch / at 440 V / for combination l2t value / with closed switch / at 440 V / for combination l2t value / with closed switch / at 440 V / for combination l2t value / with closed switch / at 440 V / for combination	safety switch maintenance/repair switch Product details product feature / can be locked into OFF position	Yes Yes
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 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 / 3 kA maximum • at 440 V / for combination switch + gG fuse / 3 kA maximum • at 690 V / for combination switch + gG fuse / 3 kA maximum • at 690 V / for combination switch + gG fuse / 3 kA maximum combination switch + gG fuse / 3 kA 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 2.5 kA2.s	safety switch maintenance/repair switch Product details product feature / can be locked into OFF position accessories	Yes Yes
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 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 50 kA 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 permissible 2.5 kA2.s	safety switch maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional	Yes Yes Yes
number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / 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 50 kA 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 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional motor drive voltage trigger	Yes Yes Yes No
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 1 et-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 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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	Yes Yes Yes No No
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 12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 NO contacts / for auxiliary contacts	Yes Yes Yes No No No 3
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 12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts	Yes Yes Yes No No No 3
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 12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum	Yes Yes No No No 3 3
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 l2t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 NO 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 bracket locks / maximum	Yes Yes No No 3 3 0
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 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks	Yes Yes No No 3 3 0
 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 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s 	safety switch 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 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 hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection	Yes Yes No No No 2 4 6 mm
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 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 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 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	Yes Yes No No No 2 4 6 mm
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 2.5 kA2.s	safety switch 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 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 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	Yes Yes No No No 2 4 6 mm
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 2.5 kA2.s	safety switch 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 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 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 /	Yes Yes No No No 3 3 0 2 4 6 mm
switch + gG fuse / maximum 12t value / with closed switch / at 440 V / for combination 2.5 kA2.s	safety switch 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 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 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 /	Yes Yes No No No 3 3 0 2 4 6 mm
	safety switch 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 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 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 at 690 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse /	Yes Yes Yes No No No 3 3 0 2 4 6 mm
	safety switch 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 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 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 12t value / with closed switch / at 240 V / for combination	Yes Yes Yes No No No 3 3 0 2 4 6 mm 50 kA 3 kA 3 kA

I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	3 kA2.s
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	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary
• finely stranded / with core end processing	switch 1x (0,75 2,5mm²) lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	66 mm
width	49 mm
depth	89.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
front mounting with central attachment	No
• rail mounting	No
net weight	187 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	
On order Tourist Typioval	



Confirmation







<u>Miscellaneous</u>

General Product Approval

Declaration of Conformity

Test Certificates

Marine / Shipping







Special Test Certificate





other

Miscellaneous

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=3LD2022-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2022-0TK13

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2022-0TK13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











