## **SIEMENS**

Data sheet 3LD2013-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting of the handle

product brand name product designation design of the product display version / for switch position indicator manual operation type of switch design of the actuating element color / of the actuating element black design of handle rotary knob black design of handle rotary operating mechanism, black type of the driving mechanism / motor drive  Reneral technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3  Voltage insulation voltage / rated value • at AC / rated value • at AC / rated value • minimum  50 Hz	
design of the product  display version / for switch position indicator manual operation  type of switch  design of the actuating element  color / of the actuating element  design of handle  type of the driving mechanism / motor drive  No  Ceneral technical data  number of poles  size of switch disconnector  mechanical service life (switching cycles) / typical  electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Surge voltage resistance / rated value  • at AC / rated value  • at AC / rated value  • at AC / rated value  operating frequency / rated value  • at AC / rated value  operating frequency / rated value  • at AC / rated value  operating frequency / rated value  • at AC / rated value  operating frequency / rated value  operating frequency / rated value  operating frequency / rated value  690 V	
display version / for switch position indicator manual operation  type of switch  design of the actuating element  color / 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)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  • at AC / rated value  • at AC / rated value  • at AC / rated value  operating frequency / rated value  690 V	
type of switch  design of the actuating element  color / 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)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  • at AC / rated value	
design of the actuating element  color / of the actuating element  design of handle  type of the driving mechanism / motor drive  No  General technical data  number of poles  size of switch disconnector  mechanical service life (switching cycles) / typical  electrical endurance (switching cycles)  at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  at AC / rated value  at AC / rated value  690 V  operating frequency / rated value  690 V  operating frequency / rated value  690 V  operating frequency / rated value  690 V	
color / of the actuating element  design of handle  type of the driving mechanism / motor drive  No  General technical data  number of poles  size of switch disconnector  mechanical service life (switching cycles) / typical electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  • at AC / rated value  690 V  operating frequency / rated value  690 V  operating frequency / rated value  • at AC / rated value  690 V	
design of handle type of the driving mechanism / motor drive  No  General technical data  number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles)  • at AC-23 A / at 690 V operating frequency / maximum degree of pollution  Voltage insulation voltage / rated value eat AC / rated value • at AC / rated value  • at AC / rated value  • at AC / rated value  • operating frequency / rated value  • at AC / rated value  • operating frequency / rated value	
type of the driving mechanism / motor drive  General technical data  number of poles  size of switch disconnector  mechanical service life (switching cycles) / typical  electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  surge voltage resistance / rated value  • at AC / rated value  • at AC / rated value  operating frequency / rated value  operating frequency / rated value  690 V  operating rottage  • at AC / rated value  690 V  operating frequency / rated value	
General technical data         number of poles       3         size of switch disconnector       1         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       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       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V	
number of poles  size of switch disconnector  mechanical service life (switching cycles) / typical  electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  for the degree of pollution  Voltage  insulation voltage / rated value  surge voltage resistance / rated value  • at AC / rated value	
size of switch disconnector  mechanical service life (switching cycles) / typical  electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  surge voltage resistance / rated value  • at AC / rated value  • at AC / rated value  fego V  operating frequency / rated value  fego V  operating requency / rated value  fego V  operating frequency / rated value  fego V  operating frequency / rated value	
mechanical service life (switching cycles) / typical  electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  degree of pollution  Voltage  insulation voltage / rated value  surge voltage resistance / rated value  • at AC / rated value  • at AC / rated value  operating frequency / rated value  690 V  surge resistance / rated value  690 V  operating frequency / rated value  690 V	
electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  50 1/h  degree of pollution  3  Voltage  insulation voltage / rated value  690 V  surge voltage resistance / rated value  • at AC / rated value  • at AC / rated value  690 V  operating frequency / rated value  690 V	
<ul> <li>at AC-23 A / at 690 V</li> <li>operating frequency / maximum</li> <li>50 1/h</li> <li>degree of pollution</li> <li>3</li> <li>Voltage <ul> <li>insulation voltage / rated value</li> <li>690 V</li> </ul> </li> <li>surge voltage resistance / rated value</li> <li>6 kV</li> <li>operating voltage <ul> <li>at AC / rated value</li> <li>690 V</li> </ul> </li> <li>operating frequency / rated value</li> </ul>	
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	
degree of pollution  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	
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	
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	
surge voltage resistance / rated value 6 kV  operating voltage  • at AC / rated value 690 V  operating frequency / rated value	
operating voltage  • at AC / rated value  operating frequency / rated value  690 V	
• at AC / rated value 690 V  operating frequency / rated value	
operating frequency / rated value	
• minimum 50 Hz	
• maximum 60 Hz	
Protection class	
protection class IP IP65	
degree of protection NEMA rating 1, 3R, 4X, 12	
protection class IP / on the front IP65	
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  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	

and St O'C / rated value and St O'C / rated value bit AC / rated value share AC / rated Va	a at E0 °C / rated value	16.0
A AC / Trited value	• at 50 °C / rated value	16 A
Main circuit		
operational current  at AC-21 A / at 400 V / rated value		16 A
at AC-21 / at 840 V / rated value 16 A   at AC-21 A / at 400 V / rated value 16 A   at AC-21 A / at 440 V / rated value 16 A   at AC-21 A / at 440 V / rated value 16 A   at AC-22 A / at 440 V / rated value 16 A   at AC-23 A / at 440 V / rated value 4 kW   at AC-23 A / at 4240 V / rated value 8 kW   at AC-23 A / at 440 V / rated value 8 kW   at AC-23 A / at 440 V / rated value 8 kW   at AC-23 A / at 440 V / rated value 8 kW   at AC-33 / at 440 V / rated value 8 kW   at AC-33 / at 440 V / rated value 6 kW   at AC-33 / at 440 V / rated value 7 / 5 kW   at AC-33 / at 400 V / rated value 8 kW   at AC-33 / at 400 V / rated value 8 kW   at AC-33 / at 400 V / rated value 9 kW   at AC-33 / at 590 V / rated value 9 kW   at AC-33 / at 590 V / rated value 9 kW   at AC-33 / at 590 V / rated value 9 kW   at AC-33 / at 590 V / rated value 9 kW   at AC-34 / at		
	•	
earl AC-21 A/ at 400 V / rated value		
at AC-21 A / 3 at 40 V / rated value 16 A   perating power   at AC-23 A / at 400 V / rated value 8 kW   at AC-23 A / at 40 V / rated value 8 kW   at AC-23 A / at 40 V / rated value 8 kW   at AC-23 A / at 40 V / rated value 8 kW   at AC-32 A / at 40 V / rated value 8 kW   at AC-31 A / at 40 V / rated value 9 kW   at AC-31 A / at 40 V / rated value 9 kW   at AC-31 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A / at 400 V / rated value 9 kW   at AC-32 A /		
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-31 A / at 240 V / rated value  at AC-31 at 420 V / rated value  at AC-31 at 420 V / rated value  at AC-31 at 400 V / rated value  at AC-31 at 400 V / rated value  at AC-31 at 400 V / rated value  at AC-31 at 500 V / rated value  b at AC-31 at 500 V / rated value  continuous current / of the auxiliary contacts  operating voltage / of auxiliary contacts  operating voltage / of auxiliary contact / rated value  insulation voltage / of auxiliary contact / rated value  insulation voltage / of auxiliary switch / rated value  solitability  suitability for use  e main switch  e switch of sconnector  e MERGENCY OFF switch  e switch of sconnector  Pes  e MERGENCY OFF switch  voltage friger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  e voltage friger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  e voltage friger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  at 440 V / for combination switch + gG fuse / maximum  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		
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 580 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value but AC-3 / at 250 V / rated value at AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / at 250 V / rated value but AC-3 / rated value / rated value / rated value but AC-3 / rated value / rat	<ul><li>at AC-21 A / at 440 V / rated value</li></ul>	
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-31 A / at 690 V / rated value at AC-31 A / at 690 V / rated value at AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / rated value but AC-31 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / for combination switch + gG fuse / maximum but AC-32 A / at 690 V / for combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro combination switch + gG fuse / maximum but AC-32 A / at 690 V / bro com		16 A
at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 450 V / rated value at AC-3 / at 250 V / rated value at AC-3 / at 250 V / rated value be at AC-3 / at 250 V / rated value at AC-3 / at 250 V / rated value be at 250 V / rote combination switch + gG fuse / rated value canditional short-circuit current / with line-side fuse protection at 460 V / roted combination switch + gG fuse / rated value be at 250 V / roted combination switch + gG fuse / rated value be at 250 V / roted combination switch + gG fuse / rated value be at 250 V / roted combination switch + gG fuse / rated value be at 250 V / roted combination switch + gG fuse / rated value be at 250 V / roted value / rated value be at 250 V / roted value / rated value / rat		
at AC-23 A / at 440 V / rated value at AC-33 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 4690 V / rated value but AC-3 / at 4690 V / rated value at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum at 4600 V / for combination switch + gG fuse / maximum but AC-3 Sub AC-3 Sub AC-		
at AC-32 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value be at AC-3 / at 900 V / rated value at AC-3 / at 900 V / rated value  at AC-3 / at 900 V / rated value  **Auxillary circuit  number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NO contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxillary contacts / rated value  **South of the auxillary contact / rated value  **Suitability  **suitability  **suitability  **suitability for use  ** main switch ** witch disconnector ** EMERGENCY OFF switch ** switch disconnector ** EMERGENCY OFF switch ** maintenance/repair switch ** read witch details  **product details **product details **product details ** product details **		
at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value by AC-3 / at 400 V / rated value by AC-3 / at 400 V / rated value by AC-3 / at 400 V / rated value by AC-3 / at 400 V / rated value by AC-3 / at 400 V / rated value conditing of Contacts / for auxiliary contacts continuous current / of the auxiliary contacts continuous current / of the auxiliary contact / rated value continuous current / of the auxiliary contact / rated value continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary contact / rated value by Sultability V sultability V sultability V sultability V sultability of use main switch switch disconnector EMERGENCY OFF switch Switch disconnector EMERGENCY OFF switch Switch / Yes  Product details  product feature / can be locked into OFF position Yes  coessories  product feature / can be locked into OFF position Yes  coessories  product extension / optional mumber 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  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  at 480 V / for combination switch + gG fuse / maximum  at 480 V / for combination switch + gG fuse / maximum  2.5 KA2.s		
at AC-3 / at 400 V / rated value bit AC-3 / at 590 V / rated value bit AC-3 / at 590 V / rated value  at AC-3 / at 590 V / rated value  number of CO contacts / for auxiliary contacts  number of CO contacts / for auxiliary contacts  operating voltage / of auxiliary contacts / operating voltage / of auxiliary contact / rated value  continuous current / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  Sultability  suitability for use  main switch switch disconnector switch disconnector  main switch switch disconnector  main switch safety switch safety switch safety switch rated value  Product details  product teature / can be locked into OFF position  cocessorios  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  at 690 V / by gG fuse / rated value  Short circuit  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  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  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  at 480 V / for combination switch + gG fuse / maximum  at 480 V / for combination switch +		
au 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 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contact / rated value 0 continuous current / of the auxillary switch / rated value 10 A insulation voltage / of the auxillary switch / rated value  Sout  Suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • ves  * maintenance/repair switch • yes  * roduct details  product feature / can be locked into OFF position  * cocessories  product extension / optional • motor drive • voltage tragger  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  number of connectable NC contacts / for auxillary contacts / attachable / maximum  at a 40 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  2.5 kA2.s		
Auxillary circuit number of CO contacts / for auxillary contacts number of NC contacts / for auxillary contacts number of NO contacts / for auxillary contacts operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxillary contact / rated value insulation voltage / of the auxillary switch / rated value  Suitability  Suitability  Suitability for use • main switch • main switch • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes  Product details  product feature / can be locked into OFF position ccessories  product vetension / optional • motor drive • voltage trigger  number of connectable NC contacts / for auxillary contacts / attachable / maximum number of connectable CO contacts / for auxillary contacts / attachable / maximum number of connectable CO contacts / for auxillary contacts / attachable / maximum number of connectable CO contacts / for auxillary contacts / attachable / maximum  number of connectable CO contacts / for auxillary contacts / attachable / maximum  number of connectable CO contacts / for auxillary contacts / attachable / maximum  attachable / maximum  number of connectable CO contacts / for auxillary contacts / attachable / maximum  attachable / maximum  1 a to 40 V / by gG fuse / maximum  1 a ta 40 V / for combination switch + gG fuse / maximum  2 a ta 440 V / for combination switch + gG fuse / maximum  2 attach ywith closed switch / attach / for combination switch + gG fuse / maximum  2 attach ywith closed switch / attach / for combination switch + gG fuse / maximum  2 attach ywith closed switch / attach / for combination switch / gG fuse / maximum  2 attach ywith closed switch / attach / for combination switch + gG fuse / maximum  2 attach ywith closed switch / attach / for combination  3 attach / gG fuse / maximum  2 attach ywith closed switch / attach / for combination  3 attach / gG fuse / maximum  2 attach / gG fuse / fuse / fuse / gG fuse		
number of CO contacts / for auxillary contacts number of NC contacts / for auxillary contacts operating voltage / of auxillary contacts operating voltage / of auxillary contacts / at AC / maximum continuous current / of the auxillary contact / rated value insulation voltage / of the auxillary switch / rated value on the following of the auxillary switch / rated value solve of the auxillary switch / rated value  Suitability		5.5 kW
number of NC contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value issulation voltage / of the auxiliary switch / rated value  **Out **Ou		
number of NO contacts / for auxiliary contacts   0   operating voltage / of auxiliary contacts / at AC / maximum   outnituous current / of the auxiliary contact / rated value   insulation voltage / of the auxiliary switch / rated value   500 V   Suitability   suitability for use   • main switch   Yes   • switch disconnector   Yes   • switch disconnector   Yes   • switch disconnector   Yes   • maintenance/repair switch   Yes   Product details   product feature / can be locked into OFF position   Yes		
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value  Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • maintenance/repair switch • respectively switch • maintenance/repair switch • safety switch • maintenance/repair switch • respectively switch • resp		
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value  Soutability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • safety switch • maintenance/repair switch  Product details  product details  product feature / can be locked into OFF position  **CRESSORIES**  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  safe spot / by Go fuse / rated value  tenditional short-circuit current / with line-side fuse protection  • at 690 V / by GG fuse / rated value  tel-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 / by combination switch + gG fuse / maximum  • at 690 V / by combination switch + gG fuse / maximum  • at 690 V / by combination switch + gG fuse / maximum permissible    Izt value / with closed switch / at 440 V / for combination   switch + gG fuse / maximum permissible   year   ye		0
insulation voltage / of the auxiliary switch / rated value  Suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  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 shaps thickness / of the bracket locks  Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 480 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 sitch + gG fuse / maximum  2.5 kA2.s		
Suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • maintenance/repair switch • safety switch • maintenance/repair switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • Yes  Product details  product details  product extension / optional • motor drive • 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 connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / for auxiliary contacts / attachable / maximum  shasp thickness / of the bracket locks  4 8 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 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 • at 480 V / for combination switch + gG fuse / maximum permissible    22 value / with closed switch / at 240 V / for combination   25 kA2.s	continuous current / of the auxiliary contact / rated value	10 A
■ main switch ■ main switch ■ switch disconnector ■ EMERGENCY OFF switch ■ safety switch ■ safety switch ■ maintenance/repair switch ■ Product details product feature / 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 bracket locks / maximum  1 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 440 V / for combination switch + gG fuse / maximum permissible  12t value / with closed switch / at 240 V / for combination  25 kA2.s	insulation voltage / of the auxiliary switch / rated value	500 V
main switch switch disconnector EMERGENCY OFF switch safety switch safety switch maintenance/repair switch  Product details product feature / 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 NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum shasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value eat 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 at 690 V / for combination switch + gG fuse / maximum permissible    21 value / with closed switch / at 440 V / for combination switch + gG fuse / maximum permissible   22 value / with closed switch / at 440 V / for combination switch + gG fuse / maximum permissible   22 value / with closed switch / at 440 V / for combination switch + gG fuse / maximum   25 kA2.s	Suitability	
Switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  Product details  product feature / can be locked into OFF position  scessories  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  shasp thickness / of the bracket locks  short circuit  conditional short-circuit current / with line-side fuse protection  at 690 V / by gG fuse / rated value  et 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 permissible  2.5 kA2.s  switch 4 gG fuse / maximum  2.5 kA2.s	suitability for use	
EMERGENCY OFF switch safety 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 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 a hasp thickness / of the bracket locks  Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum permissible  121 value / with closed switch / at 240 V / for combination switch + gG fuse / maximum  121 value / with closed switch / at 440 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 connectable CO contacts / for auxiliary contacts / attachable / maximum     number of bracket locks / maximum     alsap thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection     at 4690 V / by gG fuse / rated value     et 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  12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum  2.5 kA2.s	<ul> <li>switch disconnector</li> </ul>	Yes
maintenance/repair switch     Product details     product feature / can be locked into OFF position     accessories  product extension / optional	<ul> <li>EMERGENCY OFF switch</li> </ul>	No
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 3 hasp thickness / of the bracket locks 4 8 mm  Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 1et-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / tor combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible  12t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum  12t value / with closed switch / at 240 V / for combination  2.5 kA2.s		110
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  number of bracket locks / maximum  a hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 690 V / by gG fuse / rated value  let-through current / with closed switch  • at 240 V / for combination switch + gG fuse / maximum  • at 440 V / for combination switch + gG fuse / maximum  • at 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  • 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  2.5 kA2.s		
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  number of bracket locks / maximum  shasp thickness / of the bracket locks  4 8 mm  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 690 V / by gG fuse / rated value  let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum permissible  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	safety switch	Yes
product extension / optional  ■ motor drive  No  voltage trigger  number of connectable NC contacts / for auxiliary contacts / attachable / maximum  number of connectable NO contacts / for auxiliary contacts / attachable / maximum  number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  number of bracket locks / maximum  a hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse protection  ■ at 690 V / by gG fuse / rated value  let-through current / with closed switch  ■ at 240 V / for combination switch + gG fuse / maximum  ■ at 440 V / for combination switch + gG fuse / maximum  ■ at 690 V / for combination switch + gG fuse / maximum  ■ at 690 V / for combination switch + gG fuse / maximum permissible  I2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum permissible  I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum permissible  I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum  I2t value / with closed switch / at 440 V / for combination 2.5 kA2.s	<ul><li>safety switch</li><li>maintenance/repair switch</li></ul>	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  shasp thickness / of the bracket locks  4 8 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 / 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  switch + gG fuse / maximum  l2t value / with closed switch / at 440 V / for combination  2.5 kA2.s	<ul><li>safety switch</li><li>maintenance/repair switch</li><li>Product details</li></ul>	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     nasp thickness / of the bracket locks      Short circuit      conditional short-circuit current / with line-side fuse protection     • at 690 V / by gG fuse / rated value  let-through current / with closed switch     • at 240 V / for combination switch + gG fuse / maximum     • at 440 V / for combination switch + gG fuse / maximum     • at 690 V / for combination switch + gG fuse / maximum permissible  l2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum permissible  l2t value / with closed switch / at 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 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  a hasp thickness / of the bracket locks 4 8 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 / 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 permissible  12t 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 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  a hasp thickness / of the bracket locks 4 8 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 / 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 permissible  12t 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  product extension / optional	Yes Yes
number of connectable CO contacts / for auxiliary contacts / attachable / maximum  number of bracket locks / maximum  hasp thickness / of the bracket locks  4 8 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 / 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 440 V / for combination switch + gG fuse / 3 kA  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	Yes Yes Yes No
number of bracket locks / maximum  hasp thickness / of the bracket locks  4 8 mm  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 690 V / by gG fuse / rated value  let-through current / with closed switch  • at 240 V / for combination switch + gG fuse / maximum  • at 440 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum  • at 690 V / for combination switch + gG fuse / maximum permissible  I2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum  I2t value / with closed switch / at 440 V / for combination  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	Yes Yes  Yes  No No
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  I2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum  I2t value / with closed switch / at 440 V / for combination  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	Yes Yes  Yes  No No No 3
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  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  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 So
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 / attachable / maximum	Yes Yes  No No No 3 5
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  number of bracket locks / maximum	Yes Yes  No No No 3 5 0 3
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  number of bracket locks / maximum  hasp thickness / of the bracket locks	Yes Yes  No No No 3 5 0 3
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  number of bracket locks / maximum  hasp thickness / of the bracket locks  Short circuit  conditional short-circuit current / with line-side fuse	Yes Yes  No No No 3 5 0 3
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  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 3 5 0 3 4 8 mm
maximum	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 3 5 0 3 4 8 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 5 0 3 4 8 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 5 0 3 4 8 mm
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 / maximum     at 440 V / for combination switch + gG fuse / maximum     at 690 V / for combination switch + gG fuse /	Yes Yes  Yes  No No No 3 5 0 3 4 8 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 5 0 3 4 8 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)
<ul><li>finely stranded / with core end processing</li></ul>	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 switch 1x (0,75 2,5mm²)
• finely stranded / with core end processing	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	84 mm
width	67 mm
depth	429.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
<ul> <li>4-hole front mounting</li> </ul>	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	Yes
net weight	411 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature / during storage	
• minimum	-25 °C
maximum	55 °C
General Product Approval	



Confirmation







<u>Miscellaneous</u>

General Product Approval

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping







Special Test Certificate





other

Environmental Confirmations

**Miscellaneous** 

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2013-0TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2013-0TK51

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2013-0TK51

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications











