SIEMENS

Data sheet

3LD2213-1TL51



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	Main switch
display version / for switch position indicator manual operation	1 ON - 0 OFF
design of the actuating element	Short rotary knob
design of handle	rotary operating mechanism, black
type of the driving mechanism / motor drive	No
General technical data	
number of poles	4
type of device	fixed mounting
type of switch	Floor mounting with door coupling
size of switch disconnector	2
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	9 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	9 kA2.s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
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 	1.8 W
 per conductor / typical 	2 W
Current	
operational current	
 at 40 °C / rated value 	32 A
• at 45 °C / rated value	32 A
• at 50 °C / rated value	32 A
• at 55 °C / rated value	32 A

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	• at AC / rated value	32 A
• at AC-21 A/ at 240 V /rated value 32 A • at AC-21 A/ at 240 V /rated value 40 A ItsEnrough current / with closed switch 40 A ItsEnrough current / with closed switch 40 A • at 400 V / for combination switch + gG fuse / 5 kA maximum • at 600 V / for combination switch + gG fuse / 5 kA operating power • at AC-23 A / at 240 V /rated value 6 kW • at AC-23 A / at 240 V /rated value 1 kKW 8 A/C-23 A / at 240 V /rated value • at AC-23 A / at 240 V /rated value 1 kKW 8 A/C-23 A / at 240 V /rated value • at AC-23 A / at 240 V /rated value 1 kKW 8 A/C-23 A / at 240 V /rated value • at AC-33 A / at 240 V /rated value 1 kKW 8 A/C-23 A / at 240 V /rated value • at AC-33 A / at 240 V /rated value 1 kKW 8 A/C-23 A / at 340 V /rated value • at AC-33 A / at 400 V /rated value 2 kW 8 A/C-23 A / at 340 V /rated value • at AC-33 A / at 400 V /rated value 5 kW 8 A/C-23 A / at 400 V /rated value • at AC-33 A / at 400 V /rated value 2 kW 8 A/C-23 A/A / at 40 V /rated value • at AC-33 / at 400 V /rated value 10 kW 8 A/C-23 A/A / at 40 V /rated value • at AC-33 / at 400 V /rated value 0 A 10 kW • at AC-33 / at 400 V /rated value 0 A 10 A <tr< td=""><td></td><td></td></tr<>		
operational current / of upstream fuse / rated value 40 A let-Hrough current / with closed switch 40 A let-Hrough current / with closed switch 96 fuse / at 600 V / for combination switch + gG fuse / 4.5 kA maximum permissible 5 kA value circuit 6 kW operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value 12 kW at AC-23 A / at 240 V / rated value 12 kW at AC-23 A / at 240 V / rated value 12 kW at AC-23 A / at 400 V / rated value 12 kW at AC-23 A / at 400 V / rated value 12 kW at AC-23 A / at 400 V / rated value 12 kW at AC-23 A / at 400 V / rated value 10 kW at AC-23 A / at 400 V / rated value 10 kW operational current / rated value 10 kW operating value contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating value / of the auxillary contacts 0 solutability for use 10 A estability		
Iet-Incugh current / with closed witch: 4.5 KA extension: extension: ex		
	·	40 A
maximum • at 600 / / for combination switch + gG fuse / 5 kA Main Circuit • at AC-23 A / at 400 / / rated value 6 kW • at AC-23 A / at 400 / / rated value 12 kW • at AC-23 A / at 400 / / rated value 11.5 kW • at AC-23 A / at 400 / / rated value 12 kW • at AC-23 A / at 400 / / rated value 15.6 kW • at AC-32 A / at 400 / / rated value 5.6 kW • at AC-32 A / at 400 / / rated value 5.6 kW • at AC-32 A / at 400 / / rated value 5.6 kW • at AC-32 A / at 400 / / rated value 5.6 kW • at AC-32 / at 400 / / rated value 5.6 kW • at AC-32 / at 400 / / rated value 5.6 kW • at AC-32 / at 400 / rated value 5.6 kW • at AC-32 / at 400 / rated value 0 • at AC-32 / rated value 0.6 kW • at AC-32 / rated value 0.6 kW • at AC-32 / rated value 0.0 kW • at AC-32	-	15 kA
maximum permissible Main circuit • at AC-23 A / at 20 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 A / at 600 V / rated value • at AC-3 / at 23 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3		4.5 M
maximum permissible Main circuit • at AC-23 A / at 20 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 A / at 600 V / rated value • at AC-3 / at 23 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3	 at 690 V / for combination switch + gG fuse / 	5 kA
operating power at AC-23 A / at 240 V / rated value bt AV at AC-23 A / at 400 V / rated value ta AC-23 A / at 400 V / rated value ta AC-23 A / at 400 V / rated value ta AC-23 A / at 600 V / rated value ta AC-23 A / at 600 V / rated value ta AC-23 A / at 600 V / rated value ta AC-23 A / at 600 V / rated value ta AC-23 A / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-23 / at 600 V / rated value ta AC-24 / rated value <lita ac-24="" li="" rated="" value<=""> <lita ac-24="" rated="" td="" va<=""><td></td><td></td></lita></lita>		
• ai AC-23 A / at 400 V / rated value 6 kW • ai AC-23 A / at 400 V / rated value 15 kW • ai AC-23 A / at 400 V / rated value 15 kW • ai AC-23 / at 400 V / rated value 15 kW • ai AC-3 / at 400 V / rated value 15 kW • ai AC-3 / at 400 V / rated value 15 kW • ai AC-3 / at 400 V / rated value 5 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 9 kW • ai AC-3 / at 400 V / rated value 0 ////////////////////////////////////	Main circuit	
	operating power	
	 at AC-23 A / at 240 V / rated value 	6 kW
• at AC-23 / at 260 V / rated value 12 kW • at AC-3 / at 240 V / rated value 5.5 kW • at AC-3 / at 260 V / rated value 9.5 kW • operational current / rated value 9.5 kW operating voltage / of auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 or operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts 0 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 500 V suitability 500 V suitability 500 V suitability 500 V suitability for use • • anin switch Yes • anine locked into OFF position Yes • control of the auxiliary contact / Yes • otor / of the actuating element black Product feature • oconer locked into OFF position Yes	 at AC-23 A / at 400 V / rated value 	12 kW
• at AC-3 / at 240 V / rated value 5.5 kW • at AC-3 / at 90 V / rated value 10 kW • et AC-3 / at 90 V / rated value 32 A Auxiliary circuit 32 A number of C0 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts / a lAC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability for use • • nain switch Yes • saints witch Yes • anian switch Yes • anian switch Yes • anian switch Yes • anian blocked into OFF position Yes • anian blocked into OFF position Yes number of bracket locks / maximum 3 number of bracket locks / maximum 3 mm product detaries position • otals block indroxen	 at AC-23 A / at 440 V / rated value 	11.5 kW
• at AC-3 / at 900 V / rated value 10 kW • at AC-3 / at 900 V / rated value 9.5 kW operational current / rated value 9.5 kW number of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 orgerating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability 500 V suitability for use • • main switch Yes • witch disconnector Yes • witch disconnector Yes • maintenance/repair switch Yes • maintenance/repair switch Yes ord / of the aduating element black Product details Product details product feature • can be locked into OFF position Yes • can be locked into OFF position Yes • number of bracket locks / maximum 8 mm product feature • olary drive No • olary drive No •	 at AC-23 A / at 690 V / rated value 	12 kW
• at AC-3 / at 690 V / rated value 9.5 kW operational current / rated value 32 A Axiliary circuit • number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of the auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V Suitability • suitability for use • • nain switch Yes • wild disconnector Yes • wild disconnector Yes • maintenance/repair switch Yes • naintenance/repair switch Yes • of the actuating element black Product details • product feature • • oan be locked into OFF position Yes • and be locked into OFF position Yes • number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product details No	 at AC-3 / at 240 V / rated value 	5.5 kW
operational current / rated value 32 A Auxiliary circuit	• at AC-3 / at 400 V / rated value	10 kW
Auxiliary circuit Image of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 0 operating voltage / of auxiliary contact / at AC / maximum 500 V 0 continuous current / of the auxiliary contact / rated value 10 A 10 A insulation voltage / of the auxiliary contact / rated value 500 V 0 Statishity suitability 500 V 500 V Suitability suitability for use 10 A 10 A insulation voltage / of the auxiliary switch / rated value 500 V 500 V Suitability suitability switch disconnector Yes • main switch Yes • • • and switch Yes • • • and switch Yes • • • oral be locked into OFF switch Yes • • • oral be locked into OFF position Yes • • • oral be locked into OFF position Yes • • • and block ind five No • • • <td></td> <td></td>		
number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contact / rated value 500 V insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V suitability 500 V Suitability 500 V Suitability 500 V switch disconnector Yes • switch disconnector Yes • addrey switch Yes • addrey switch Yes • color / of the actuating element Yes Product details 7 product feature 6 • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product feature No • voltage trigger No Short circuit 600 V conditional short-circuit current / with line-side fuse protection 600 V • otfol y drage / at AC / at 50/00		32 A
number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of auxiliary switch / rated value 500 V Suitability suitability suitability for use Yes • main switch Yes • switch disconnector Yes • mainterance/repair switch Yes • mainterance/repair switch Yes • color / of the actuating element black Product feature e • on be locked into OFF position Yes number of bracket locks / maximum 3 nasp thickness / of the bracket locks / maximum 3 nasp thickness / of the bracket locks / maximum 8 mm product extension / optional No • ondor drive No • oldtage trigger No Short circuit 20 A Gold V 32 A Gold V 32 A Gold V 32 A	Auxiliary circuit	
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V Suitability Yes • Main switch Yes • Switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes Appearance Color / of the actualing element black Product detauls product detauls product detauls product detaure 4 mm hasp thickness / of the bracket locks / maximum 3 • nable bicked into OFF position Yes No Sout circuit • cache bocked into OFF position Yes N	number of CO contacts / for auxiliary contacts	0
operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 745 suitability 745 <	number of NC contacts / for auxiliary contacts	0
continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability for use • main switch • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • afety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • notor drive • voltage trigger No Short circuit Conditional stort-circuit current / with line-side fuse productional stort-circuit current / with line-side fuse 50 kA according UL 600 V operational current / at AC / a coording to UL 50 kA according UL 20 operational current / at AC / a teording to UL 20 Stabult, 60947-4-1 / rated value 20 sould abit / rate value 20 sould abit / rate value 20	number of NO contacts / for auxiliary contacts	0
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 • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes Yes color / of the actuating element black product details product details product details Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm hasp thickness / of the bracket locks / maximum 8 mm voltage trigger No Sold the short-circuit current / with line-side fuse protection conditional short-circuit current / with line-side fuse protection 50 kA according UL goerational current / at AC / according to UL	operating voltage / of auxiliary contacts / at AC / maximum	500 V
Suitability suitability suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch • maintenance/repair switch Yes color / of the actuating element black Product details product details product feature • can be locked into OFF position Yes number of bracket locks / maximum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger No Short circuit coording UL operating voltage / rate value according UL operating voltage / rate value active power (hpt) / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power (hpt) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (hpt) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		10 A
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes color / of the actuating element black Product details product details product details rumber of bracket locks / maximum 1 number of bracket locks / maximum 3 1 hasp thickness / of the bracket locks / minimum 4 mm 1 hasp thickness / of the bracket locks / maximum 8 mm product details No • outor drive No • oldige trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL 32 A operational current / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power (hp) / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power (hp) / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value		500 V
	Suitability	
• switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element black Product datalis product datalis product feature • can be locked into OFF position Yes • unmber of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product etriger No • onotor drive No • ovoltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 680 V / by gG fuse / rated value 50 kA according UL 32 A operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 20 508/UL 60947-4-1 / rated value 20 soluL 60947-4-1 / rated value 20	suitability for use	
• EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element black Product details product feature • can be locked into OFF position • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • • motor drive No • voltage trigger No Short circuit So kA according UL 32 A operational current / at AC / at 50/60 Hz / according to UL 32 A 608 V / by gG fuse / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 20 508/UL 60947-4-1 / rated value 20 sob/UL 60947-4-1 / rated value 20		Yes
safety switch Yes maintenance/repair switch Yes maintenance/repair switch Yes Appearance color / of the actuating element black Product details product feature e can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 map thickness / of the bracket locks / maximum 8 motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection e at 680 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according to IL 508/UL 508/UL 508/UL 508/UL 508/UL 508/UL 508/UL 50	 switch disconnector 	Yes
maintenance/repair switch Yes Appearance color / of the actuating element black Product details product details product feature ocan be locked into OFF position rumber of bracket locks / maximum asp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum ornotr drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 6047-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / acccording to UL 508/UL 60947-4-1 / rated value		No
Appearance color / of the actuating element black Product details product feature	-	
color / of the actuating element black Product details product feature • can be locked into OFF position number of bracket locks / maximum 1 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / acco	maintenance/repair switch	Yes
Product details product feature • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL	Appearance	
product feature Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional • motor drive • motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL goerational current / at AC / according to UL 508/UL operational current / at AC / according to UL 32 A ooperating voltage / at AC / at 50/60 Hz / according to UL 600 V SoB/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 480 V / according to UL 20 SoB/UL 60947-4-1 / rated value 20	color / of the actuating element	black
• can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional 8 mm • wotor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL 32 A operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 short-time withstand current (SCCR) / at 600 V / according to UL 20	Product details	
number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional 8 mm • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 50 kA according UL 50 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 32 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 20 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value 20	product feature	
hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm product extension / optional 8 mm • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value operational current / at AC / according to UL 508/UL 32 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 480 V / according to UL 508/UL 20 20 short-time withstand current (SCCR) / at 600 V / according to UL 508 / J according to JL 508 / J a	 can be locked into OFF position 	Yes
hasp thickness / of the bracket locks / maximum 8 mm product extension / optional No e motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL Operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 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 20 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value 20	number of bracket locks / maximum	0
product extension / optional No • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 32 A operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 50/60 Hz / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 short-time withstand current (SCCR) / at 600 V / according to UL 20		3
• motor driveNo• voltage triggerNoShort circuitNoShort circuitState of the state		
voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL for the withstand current (SCCR) / at 600 V / according 5 kA		4 mm
Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional	4 mm
conditional short-circuit current / with line-side fuse protection 50 kA • at 690 V / by gG fuse / rated value 50 kA according UL 50 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 32 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 20 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 20 solvUL 60947-4-1 / rated value 20 solvUL 60947-4-1 / rated value 50 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive	4 mm 8 mm No
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 32 A object operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 20 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger	4 mm 8 mm No
according UL operational current / at AC / according to UL 508/UL 32 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 480 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger	4 mm 8 mm No
operational current / at AC / according to UL 508/UL 32 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse	4 mm 8 mm No
60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 480 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection	4 mm 8 mm No No
508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 480 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value	4 mm 8 mm No No
active power [hp] / at AC / at 480 V / according to UL 20 508/UL 60947-4-1 / rated value 20 active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 20 short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL	4 mm 8 mm No No 50 kA
active power [hp] / at AC / at 600 V / according to UL 20 508/UL 60947-4-1 / rated value 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL	4 mm 8 mm No No 50 kA 32 A
	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL	4 mm 8 mm No No 50 kA 32 A 600 V
	hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL	4 mm 8 mm No No 50 kA 32 A 600 V 20

continuous current / of upstream fuse / according to UL / rated value	80 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts	3
/ attachable / maximum number of connectable CO contacts / for auxiliary contacts	0
/ attachable / maximum	
Connections	
AWG number / as coded connectable conductor cross section / solid	
● maximum ● minimum	8 14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (1,516mm²)
 finely stranded / with core end processing 	1x (1,510mm ²)
• stranded	1x (1,516mm ²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
• finely stranded / with core end processing	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
for main current circuit	box terminal
 for auxiliary contacts 	connection terminals
Requirements	
design of the fuse link	
g	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 40 A
	fuse gL/gG: 40 A fuse gL/gG: 10 A
 for short-circuit protection of the auxiliary switch / 	
 for short-circuit protection of the auxiliary switch / required 	
required • for short-circuit protection of the auxiliary switch / required Mechanical Design	fuse gL/gG: 10 A
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height	fuse gL/gG: 10 A 83 mm
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width	fuse gL/gG: 10 A 83 mm 67 mm
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature / during operation	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes 432 g
required • for short-circuit protection of the auxiliary switch / required <u>Mechanical Design</u> height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight <u>Environmental conditions</u> ambient temperature / during operation • minimum	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes 432 g -25 °C
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature / during operation • minimum • maximum	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes 432 g -25 °C 55 °C
required • for short-circuit protection of the auxiliary switch / required <u>Mechanical Design</u> height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight <u>Environmental conditions</u> ambient temperature / during operation • minimum	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes 432 g -25 °C
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature / during operation • minimum • maximum ambient temperature / during storage / minimum	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes 432 g -25 °C 55 °C
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature / during operation • minimum • maximum ambient temperature / during storage / minimum	fuse gL/gG: 10 A 83 mm 67 mm 451.5 mm Built-in unit fixed-mounted version Yes No Yes 432 g -25 °C 55 °C

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Special Test Certificate

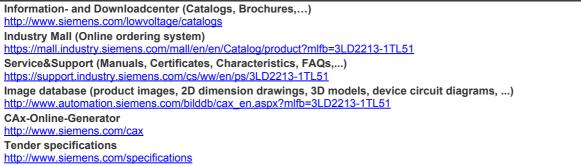


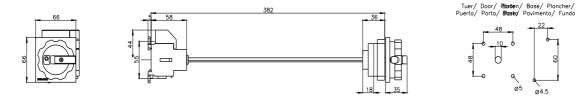


other

Environmental Confirmations Miscellaneous

Further information







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