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

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	3
type of device	fixed mounting
type of switch	Floor mounting with door coupling
size of switch disconnector	1
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	3 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	2.5 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 	0.5 W
per conductor / typical	1 W
Current	
operational current	
• at 40 °C / rated value	16 A
• at 45 °C / rated value	16 A
• at 50 °C / rated value	16 A
• at 55 °C / rated value	16 A

		10.4
	at AC / rated value	16 A
operational current / of operations which + set / tank 20 A let-through current / with closed switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for condimistion switch + gG fuse / m at 080 V / for ted value et al 080 V / for de value et al 080 V / for de et al 080 V / for de et al 080 V / for de value et al 0		
lethrough current / with closed switch 3 kA ext 640 V/ for combination switch + gG fuse / maximum 3 kA maximum permissible 3 kA maximum permissible 3 kA maximum permissible 3 kA et 680 V/ for combination switch + gG fuse / maximum permissible 3 kA maximum permissible 4 kW et AC-23 A / at 240 V / rated value 4 kW et AC-23 A / at 440 V / rated value 7 5 kW et AC-23 A / at 400 V / rated value 8 kW et AC-23 A / at 400 V / rated value 8 kW et AC-23 A / at 400 V / rated value 8 kW et AC-23 / at 240 V / rated value 8 kW et AC-31 at 240 V / rated value 10 A mumber of Co contacts / for auxiliary contacts 0 mumber of Co contacts / for auxiliary contacts 0 mumber of Co contacts / for auxiliary contact 10 A mumber of Co contacts / for auxiliary contact 0 mumber of Co contacts / for auxiliary contact 0 mumber of Co contacts / for auxiliary contact 0 A masket 0 A masket 0 A masket 0 A mask		
		20 A
maximum a Kalo maximum permissible 3 KA Adne Torciu	-	
• at 600 V / for combination switch + gG fuse / maximum permissible 3 kA Main circuit • operating power • • at AC-23 A / at 240 V / rated value 4 kW • at AC-23 A / at 240 V / rated value 8 kW • at AC-23 A / at 400 V / rated value 7.5 kW • at AC-23 A / at 400 V / rated value 8 kW • at AC-23 A / at 400 V / rated value 6 kW • at AC-37 at 400 V / rated value 6 kW • at AC-37 at 400 V / rated value 5 kW • at AC-37 at 400 V / rated value 5 kW • at AC-37 at 600 V / rated value 5 kW • at AC-37 at 600 V / rated value 6 kW • at AC-37 at 600 V / rated value 5 kW • operation value value 10 A number of NC contects / for auxiliary contacts 0 number of NC contects / for auxiliary contacts 0 N contrinuous current / of the auxiliary contact / rated value 500 V suitability for use • • main switch Yes • main switch Yes • main switch Yes • main switch <		3 KA
maximum permissible Main Circuit operating power • at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 / at 800 V / rated value • at		3 kA
operating power i.a. IAC-23 A / at 240 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 400 V / rated value i.a. IAC-32 / at 240 V / rated value i.a. IAC-32 / at 240 V / rated value i.a. IAC-32 / at 260 V / rated value i.a. IA		
operating power i.a. IAC-23 A / at 240 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 40 V / rated value i.a. IAC-23 A / at 400 V / rated value i.a. IAC-32 / at 240 V / rated value i.a. IAC-32 / at 240 V / rated value i.a. IAC-32 / at 260 V / rated value i.a. IA	Main circuit	
• al AC-23 A / at 400 V / rated value 4 kW • al AC-23 A / at 400 V / rated value 8 kW • al AC-23 A / at 400 V / rated value 8 kW • al AC-23 A / at 400 V / rated value 8 kW • al AC-23 / al 400 V / rated value 8 kW • al AC-3 / al 400 V / rated value 6 kW • al AC-3 / al 400 V / rated value 6 kW • al AC-3 / al 400 V / rated value 5 kW • al AC-3 / al 400 V / rated value 5 kW • al AC-3 / al 400 V / rated value 5 kW • al AC-3 / al 400 V / rated value 6 kW • al AC-3 / al 400 V / rated value 5 kW • al AC-3 / al 400 V / rated value 6 kW • al AC-3 / al 400 V / rated value 6 kW • al AC-3 / al 400 V / rated value 0 • number of NC contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 500 V Solutability 500 V sultability 500 V		
		4 kW
• at AC-23 A / at 690 V / rated value 8 kW • at AC-3 / at 240 V / rated value 3 kW • at AC-3 / at 640 V / rated value 6 kW • at AC-3 / at 640 V / rated value 5.5 kW • operational current / rated value 16 A Auxiliary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability 500 V suitability 500 V suitability 500 V suitability for use Yes • exiltanance/repair switch Yes • exiltanance/repair switch Yes • can be locked into OFF position Yes • can be locked lock OFF position Yes product detaure No • coltage itrigger No • can be locked lock OFF position Yes • coltage itrigger No <td></td> <td></td>		
• at AC-3 / at 240 V / rated value 3 KW • at AC-3 / at 240 V / rated value 6 kW • at AC-3 / at 690 V / rated value 5 KW operational current / rated value 16 A Auxiliary circuit 16 A number of C0 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts / a 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 500 V suitability for use • • nain switch Yes • saint switch Yes • anaintenance/repair switch Yes • anaintenance/repair switch Yes • anaintenance/repair switch Yes • acate blocked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 4 mm hasp thickness / of the bracket locks / maximum 8 mm	 at AC-23 A / at 440 V / rated value 	7.5 kW
• at AC-3 / at 400 V / rated value 5 kW • at AC-3 / at 690 V / rated value 55 kW operational current / rated value 16 A Auxiliary circuit 0 number of NC contacts / for auxiliary contacts 0 operating valueg / of auxiliary contacts 0 operating valueg / of auxiliary contacts 0 operating valueg / of auxiliary contacts / track value 10 A insulation valueg / of the auxiliary contact / rated value 500 V Suitability 748 • anithe ance/repair switch Yes • anithe locked into OFF position Yes • anithe locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket lock / maximum 8 mm product extension / optional No • wotage trigger N	 at AC-23 A / at 690 V / rated value 	8 kW
• at AC-3 / at 690 V / rated value 5.5 kW operational current / rated value 16 A Axillary contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts 0 operating voltage / of auxillary contacts / rate value 10 A insultato voltage / of the auxillary contact / rated value 10 A insultato voltage / of the auxillary contact / rated value 500 V suitability 500 V suitability for use 0 • nain switch Yes • winch disconnector Yes • uain switch Yes • all belockel/CYOFF switch No • all belockel not OFF position Yes Product details Product details product feature 0 • all belocked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product extension / optional No • ontal belocket locks / maximum 8 mm brocording UL 000 V	 at AC-3 / at 240 V / rated value 	
• at AC-3 / at 690 V / rated value 5.5 kW operational current / rated value 16 A Axillary contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts 0 operating voltage / of auxillary contacts / rate value 10 A insultato voltage / of the auxillary contact / rated value 10 A insultato voltage / of the auxillary contact / rated value 500 V suitability 500 V suitability for use 0 • nain switch Yes • winch disconnector Yes • uain switch Yes • all belockel/CYOFF switch No • all belockel not OFF position Yes Product details Product details product feature 0 • all belocked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product extension / optional No • ontal belocket locks / maximum 8 mm brocording UL 000 V		
operational current / rated value 16 A Auxiliary circuit		
Auxiliary circuit Values number of CQ contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability 0 suitability for use • • main switch Yes • witch disconnector Yes • MEREGENCY OFF switch No • safety switch Yes • nanterance/repair switch Yes product feature black Product dataits • product feature black • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 4 mm hasp thickness / of the bracket locks / maximum		
number of CO contacts / for auxiliary contacts 0 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 contacts / rated value 500 V insulation voltage / of auxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V Suitability 500 V suitability 500 V Suitability 500 V Suitability 500 V switch disconnector Yes • main switch Yes • sately switch Yes • adate yes witch Yes 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 feature No • voltage trigger No Short circuit 0 conditional short-circuit curren		
number of NC contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / AC / maximum 500 V 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 • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes color / of the actuating element black Product feature o a be locked into OFF position • a be locked into OFF position Yes number of bracket locks / maximum 3 nasp thickness / of the bracket locks / maximum 8 mm product details No o- old goe frigger No sold for drive No o- old goe frigger No sold for drive Sold A actored filtional short-circuit current / with line-side fuse protection 600 V sold folt dravalue		0
number of NO contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum 500 V continuous current / of the auxillary switch / rated value 10 A insulation voltage / of the auxillary switch / rated value 500 V Suitability 500 V suitability for use 9 • main switch Yes • switch disconnector Yes • maintenance/repair switch Yes • maintenance/repair switch Yes oclor / of the actuating element black Product details Yes product details Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 8 mm product stension / optional No • orab blocked mode locks / moximum 9 mm product stension / optional 10 A • orob of drive No • orold ger trigger No Short circuit 600 V by gG fuse / rated value operating voltage / at AC / according to UL		
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 900 V suitability for use Yes • main switch Yes • switch disconnector Yes • switch disconnector Yes • safety switch Yes • main stronger switch Yes • maintenance/repair switch Yes oclor / of the actuating element black Product details product feature or can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product teature No • otalage trigger No Short circuit 0 conditional short-circuit current / with line-side fuse protection 600 V operational current / at AC / according to UL 508/UL 600 V / at AC / at 480 V / according to UL 508/UL 600 V / at AC / at 480 V / according to UL 508/UL 60		
continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V suitability for use • main switch • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • astely switch Yes • maintenance/repair switch Yes • color / of the actuating element black 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 • woltage trigger • woltage trigger No Short circuit Out / twith line-side fuse operational short-circuit current / with line-side fuse 50 kA according UL operational current / at AC / according to UL 508/UL 600 V 08047-4-1 / rated value 7.5 0804UL 60947-4-1 / rated value 7.5 0804UL 60947-4-1 / rated value 10 sbort-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60047-4-1 / rated value		
Insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability or use • 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 feature • 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 No • voltage trigger No Short circuit So kA conditional short-circuit current / with line-side fuse protection 50 kA according UL GoaV7-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 50 kA active power (hp) / at AC / at 50/60 Hz / according to UL 7.5 S08/UL 60947-4-1 / rated value 10 solut_dolf-7-41 / rated value 10 solut_dolf-7-41 / rated value 50 KA		
Suitability suitability suitability suitability switch disconnector Yes EMERGENCY OFF switch No safety switch Yes emaintenance/repair switch Yes color / of the actuating element Product details product faiture • can be locked into OFF position Yes number of bracket locks / maximum 1asp thickness / of the bracket locks / maximum 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 operational current / at AC / a coording to UL operational current / at AC / at 50/60 Hz / 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 50/00 V / according to UL 508/UL 60947-4-1 / rated value soburt-time withistand current		
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance Decomposition color / of the actuating element black Product details Decomposition product details Yes number of bracket locks / maximum 3 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 • act 800 V / by gG fuse / rated value 50 kA according UL Goor V operational current / at AC / according to UL 600 V soBVLL 60947-4-1 / rated value 600 V operational current / at AC / according to UL 50 kA active power (hp) / at AC / at 480 V / according to UL 7.5 SoBVL 60947-4-1 / rated value 600 V active power (hp) / at AC / at 600 V / according to UL 50KL soBvLL 60947-4-1 / rated value 7.5 soBvLL 60947-4-1 / rated value 600 V active power (hp) / at AC / at 600 V / according to UL 50KL		
• main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair 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 • wotor drive • notor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection conditional short-circuit current / with line-side fuse protection 16 A operational current / at AC / at coording to UL 50 kA according UL 0perational current / at AC / at 50/60 Hz / according to UL operational current / at AC / at 480 V / according to UL 500 V 508/UL 60947-4-1 / rated value 600 V coldy-1-4-1 / rated value 600 V coldy-1-4-1 / rated value 600 V coldy-1-4-1 / rated value 600 V soB/UL 60947-4-1 / rated value 7.5<		
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 feature c 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 enotor drive No voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection e at 890 V / by gG fuse / rated value 50 kA according UL operational current / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 500 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 KA	5	Yes
• 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 • voltage trigger No Short circuit Solut conditional short-circuit current / with line-side fuse protection 50 kA according UL 600 V operational current / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/06 Hz / according to UL 508/UL 60947-4-1 / rated value 7.5 obluL 60947-4-1 / rated value 7.5 soluL 60947-4-1 / rated value 7.5 soluL 60947-4-1 / rated value 10 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		
maintenance/repair switch Yes Appearance color / of the actuating element black Product details product feature ocan be locked into OFF position res res rotacket locks / maximum a hasp 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 forduct extension / optional e motor drive voltage trigger No voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection e at 690 V / by gG fuse / rated value 50 kA according UL Operating outger / 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 short-time withstand current (SCCR) / at 600 V / according 5 kA		
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 Yes number of bracket locks / maximum 3	· ·	
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 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 600 V 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		black
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 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 600 V 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 600 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-tirme withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 kA		
• 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 • woltage trigger No • voltage trigger No Short circuit 0 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 600 V 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 600 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 / rated value 50		
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 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 50/60 Hz / according to UL 7.5 608/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 50 kA		Yes
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 16 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 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 5 kA	· · · · · ·	
hasp thickness / of the bracket locks / maximum 8 mm 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 operational current / at AC / according to UL 508/UL 16 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 80 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 short-time withstand current (SCCR) / at 600 V / according to UL 5 kA		
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 0perational current / at AC / according to UL 508/UL 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 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 50 kA		
• motor driveNo• voltage triggerNoShort circuitNoShort circuitStort circuit current / with line-side fuse protection• at 690 V / by gG fuse / rated value50 kAaccording UL50 kAoperational current / at AC / according to UL 508/UL16 A60947-4-1 / rated value600 Voperating voltage / at AC / at 50/60 Hz / according to UL600 V508/UL 60947-4-1 / rated value600 Vactive power [hp] / at AC / at 480 V / according to UL7.5508/UL 60947-4-1 / rated value10active power [hp] / at AC / at 600 V / according to UL50short-time withstand current (SCCR) / at 600 V / according5 kA	•	
• voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA • 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 16 A operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V 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 7.5 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 5 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value 5		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 short-time withstand current (SCCR) / at 600 V / according 5 kA		
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 16 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 7.5 508/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 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		
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 16 A 60947-4-1 / rated value 16 A 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 7.5 508/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 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		
according UL operational current / at AC / according to UL 508/UL 16 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 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 5 kA		
operational current / at AC / according to UL 508/UL 16 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 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 5 kA	 at 690 V / by gG fuse / rated value 	50 kA
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 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 5 kA	according UL	
508/UL 60947-4-1 / rated value 7.5 active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 5 kA		16 A
active power [hp] / at AC / at 480 V / according to UL 7.5 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 5 kA	operating voltage / at AC / at 50/60 Hz / according to UL	600 V
active power [hp] / at AC / at 600 V / according to UL 10 508/UL 60947-4-1 / rated value 10 short-time withstand current (SCCR) / at 600 V / according 5 kA	active power [hp] / at AC / at 480 V / according to UL	7.5
		10
		5 kA

continuous current / of upstream fuse / according to UL /	50 A
rated value	RK5
type of fuse / according to UL	KN0
Number	2
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	3
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	5
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	10
minimum type of connectable conductor cross-sections / for copper conductor	18
• solid	1x (16mm²)
 finely stranded / with core end processing 	1x (14mm ²)
stranded	1x (16mm²)
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	
for short-circuit protection of the main circuit /	fuse gL/gG: 20 A
required	
	fuse gL/gG: 10 A
 for short-circuit protection of the auxiliary switch / 	
 required 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 84 mm
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width	fuse gL/gG: 10 A 84 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 84 mm 67 mm 429.5 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 84 mm 67 mm 429.5 mm
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method • 4-hole front mounting	fuse gL/gG: 10 A 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version
required • for short-circuit protection of the auxiliary switch / required Mechanical Design height width depth fastening method • 4-hole front mounting • front mounting with central attachment	fuse gL/gG: 10 A 84 mm 67 mm 429.5 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes
required • for short-circuit protection of the auxiliary switch / required <u>Mechanical Design</u> <u>height</u> width depth fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight	fuse gL/gG: 10 A 84 mm 67 mm 429.5 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 • rail mounting net weight Environmental conditions	fuse gL/gG: 10 A 84 mm 67 mm 429.5 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes 411 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes 411 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes 411 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes 411 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes 411 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 84 mm 67 mm 429.5 mm Built-in unit fixed-mounted version Yes No Yes 411 g -25 °C 55 °C

EHC



Special Test Certificate

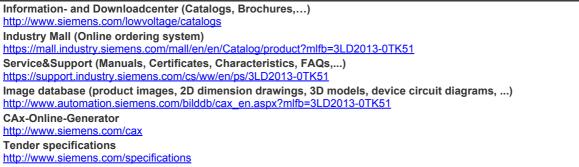


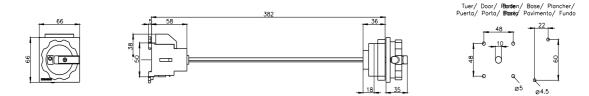


other

Environmental Confirmations Miscellaneous

Further information







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