SIEMENS

Data sheet

3LD2418-1TL11



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu=250 A, Operating power / at AC-23 A at 400 V: 132 kW, floor mounting with door coupling, knob-operated 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	selector switch
design of handle	knob-operated 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	5
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	557 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	557 kA2.s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	8 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 	36 W
 per conductor / typical 	36 W
Current	
operational current	
• at 40 °C / rated value	250 A
• at 45 °C / rated value	250 A
• at 50 °C / rated value	250 A
• at 55 °C / rated value	250 A

At AC / rade Value At AC / rade Value Ac AC / rade Value AC / rade VA / rade Value AC / rade VA / rade VA / rade Value AC / rade VA / rade VA / rade VA / rade VA		
	 at AC / rated value 	250 A
operational current / of upstream fuse / rated value 250 A lef-Hrough current / with obset switch + gG fuse / maximum permissible 15 kA dian circoid 0 operating power 15 kA maximum permissible 15 kA Main circoid 0 operating power 15 kA et AC-23 A/ at 240 V / rated value 15 kA et AC-23 A/ at 240 V / rated value 12 kW et AC-23 A/ at 240 V / rated value 12 kW et AC-23 A/ at 240 V / rated value 55 kW et AC-23 A/ at 240 V / rated value 55 kW et AC-23 A/ at 400 V / rated value 55 kW et AC-23 A/ at 400 V / rated value 10 kW et AC-23 A/ at 400 V / rated value 10 kW et AC-23 A/ at 400 V / rated value 0 et AC-23 A/ at 400 V / rated value 10 kW et AC-23 A/ at 400 V / rated value 0 et AC-23 A/ at 400 V / rated value 0 et AC-23 A/ at 400 V / rated value 0 operating value / rated value 0 operating value / rated value 0 operating value / rated value		
ied-through current / with closed switch 15 kA et al. 40 // / for combination switch + gG fuse / maximum 15 kA maximum permissible 15 kA Main circuit operating power et al. AC-23 A at 240 V / rated value 13 kW et al. AC-23 A at 240 V / rated value 13 kW et al. AC-23 A at 240 V / rated value 13 kW et al. AC-23 A at 240 V / rated value 13 kW et al. AC-23 A at 240 V / rated value 13 kW et al. AC-3 A at 240 V / rated value 13 kW et al. AC-3 A at 240 V / rated value 25 kW et al. AC-3 / at 240 V / rated value 250 A Availiary centrated 0 number of Co contrates / for auxiliary contrates 0 number of Co contrates / for auxiliary contrates 0 number of No contrates / for auxiliary contrates 0 operation current / rate value 500 V contrates of for auxiliary contrates 0 number of No contrates / for auxiliary contrates 0 operating voltage / of auxiliary contrates 0 insultion votage / of the auxiliary contrates 00 V contror / of auxiliary contrates 00 V <		
		250 A
maximum a GG 00 / for combination switch + gG fuse / 15 kA Anno circuit a AC-23 A / a 1240 V / rated value 75 kW et a AC-23 A / a 1440 V / rated value 132 kW at AC-23 A / a 1440 V / rated value et a AC-23 A / a 1440 V / rated value 132 kW at AC-23 A / a 1440 V / rated value et a AC-23 A / a 1440 V / rated value 132 kW at AC-23 A / a 140 V / rated value et a AC-23 A / a 140 V / rated value 55 kW at AC-33 A / a 140 V / rated value et a AC-37 a 1400 V / rated value 50 kW at AC-37 a 1400 V / rated value et a AC-37 a 1400 V / rated value 250 A A Auxiliary contacts 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 0 0 continuous current / of the auxiliary contacts 0 A 0 0 continuous current / of the auxiliary contacts 0 A 0 0 0 contacts / for auxiliary contacts 0 A 0 0 0 0 contact / for auxiliary contacts 10 A A 0 0 0 0 0 switch disconnector Yes *	-	
• at 680 V / for combination switch + gG fuse / maximum permissible 15 kA Main circuit • at Acc23 A / at 240 V / rated value 75 kW • at Acc23 A / at 240 V / rated value 132 kW • at Acc23 A / at 440 V / rated value 132 kW • at Acc23 A / at 440 V / rated value 132 kW • at Acc23 A / at 440 V / rated value 55 kW • at Acc23 A / at 400 V / rated value 55 kW • at Acc3 / at 240 V / rated value 55 kW • at Acc3 / at 240 V / rated value 55 kW • at Acc3 / at 800 V / rated value 250 A Auxiliary circuit 76 kW • at Acc3 / at 800 V / rated value 0 • number of Co contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 0 • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • aftery switch		15 KA
maintum permissible Alon Circuit • al AC-23 A / at 20 V / rated value 132 kW • al AC-23 A / at 400 V / rated value 132 kW • al AC-23 A / at 400 V / rated value 132 kW • al AC-23 A / at 400 V / rated value 132 kW • al AC-33 A / at 600 V / rated value 55 kW • al AC-3 / at 200 V / rated value 55 kW • al AC-3 / at 200 V / rated value 250 A Availary direct 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 ontunue 0 A insultation voltage / of the auxiliary contacts 0 A insultation voltage / of the auxiliary contacts / rated value 500 V Suitability 500 V suitability 500 V control of the auxiliary switch / rated value 500 V Suitability 500 V Suitability 500 V Suitability 500 V Suitability 500 V Suitability <t< td=""><td></td><td>15 kA</td></t<>		15 kA
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 / at 2400 V / rated value at AC-3 / at 2400 V / rated value bt AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value bt AC-3 / at 260 V / rated value at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value bt AW at AC-3 / at 260 V / rated value contacts / for auxiliary contacts 0 number of DC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 A insutation voltage / of the auxiliary contacts contacts / for auxiliary contacts A at at 400 V / rated value bo V south At disconnector Yes asitability for use asitat C-250		
	Main circuit	
	operating power	
		75 kW
et AC-23 / at 240 V / rated value et AC-33 / at 240 V / rated value et AC-33 / at 240 V / rated value et AC-33 / at 260 V / rated value et AC-33 / at 260 V / rated value document / rated value at AC-33 / at 260 V / rated value document / rated value document / rated value value rumber of NC contacts / for auxiliary contacts 0 rumber of NC contacts / ror auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / rated value 500 V suitability suitability suitability suitability suitability suitability suitability color / of the auxiliary contact / Yes e alarty switch ves etaltry switch ves etaltry switch ves control of the auxiliary contact / Yes ves control contacts / ror auxiliary contact / Yes ves control for auxiliary contact / Yes ves etaltry switch Yes ves etaltry switch Yes ves ves		132 kW
et AC-23 / at 240 V / rated value et AC-33 / at 240 V / rated value et AC-33 / at 240 V / rated value et AC-33 / at 260 V / rated value et AC-33 / at 260 V / rated value document / rated value at AC-33 / at 260 V / rated value document / rated value document / rated value value rumber of NC contacts / for auxiliary contacts 0 rumber of NC contacts / ror auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / rated value 500 V suitability suitability suitability suitability suitability suitability suitability color / of the auxiliary contact / Yes e alarty switch ves etaltry switch ves etaltry switch ves control of the auxiliary contact / Yes ves control contacts / ror auxiliary contact / Yes ves control for auxiliary contact / Yes ves etaltry switch Yes ves etaltry switch Yes ves ves	• at AC-23 A / at 440 V / rated value	132 kW
• at AC-3 / at 400 V / rated value 110 kW • at AC-3 / at 600 V / rated value 250 A Auxillary circuit 0 number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts 0 operating voltage / of auxillary contacts / rated value 500 V Suitability 10 A insultation voltage / of the auxiliary contact / rated value 500 V Suitability ves • nain switch Yes • wolk disconnector Yes • safety switch Yes • anal broked into OFF position Yes - number of bracket locks / maximum 3 - hasp thickness / of the pracket locks / maximum 4 mm		
• at AC-3 / at 680 V / rated value 45 kW operational current / rated value 250 A Axxiliary circuit 0 number of AC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 insulation voltage / of the auxiliary contacts 0 operating voltage / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 500 V suitability for use • • main switch Yes • switch disconnector Yes • mainsence/repair switch Yes • adety switch Yes Product feature black Product feature olack • a black locks / maximum 3 hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum </td <td>• at AC-3 / at 240 V / rated value</td> <td>55 kW</td>	• at AC-3 / at 240 V / rated value	55 kW
• at AC-3 / at 680 V / rated value 45 kW operational current / rated value 250 A Axxiliary circuit 0 number of AC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 insulation voltage / of the auxiliary contacts 0 operating voltage / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 500 V suitability for use • • main switch Yes • switch disconnector Yes • mainsence/repair switch Yes • adety switch Yes Product feature black Product feature olack • a black locks / maximum 3 hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum </td <td></td> <td></td>		
operational current / rated value 250 A Auxiliary circuit		
Auxiliary circuit number of CQ contacts / for auxiliary contacts 0 number of NQ contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contacts / rated value 500 V continuous current / of the auxiliary contact 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V suitability for use 0 • main switch Yes • ENERCENCY OFF switch No • anain switch Yes • maintenance/repair switch Yes • anaines concert Yes • anainenace/repair switch Yes • anainenace/repair switch Yes • anaine locked into OFF position Yes • number of bracket locks / maximum 3 • anab blocked locks / maximum 4 mm • hasp thickness / of the bracket locks / maximum 6 mm product feature No • otage trigger No Short	operational current / rated value	
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 contact / rated value 500 V insulation voltage / of the auxiliary switch / rated value 500 V suitability 500 V color / of the actuating element black Product deatus <td></td> <td></td>		
number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A suitability 500 V product feature 500 V e alocked into OFF position Yes number		0
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contacts / rated value 10 A insulation voltage / of the auxiliary 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 color / of the actuating element black Product details Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm product details No ovoltage trigger No Short circuit 50 kA conditional short-circuit current / with line-side fuse protection 600 V <		
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 500 V suitability 745 suitability 745 suitability 745 suitability 746 suitability 746 suitability 746 suitability 746 suitability 75 suitability 747 <t< td=""><td></td><td></td></t<>		
continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use • main switch Yes • switch disconnector Yes • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Otor / 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 6 mm product extension / optional • notor drive • voltage trigger No Short circuit Stok conditional stort-circuit current / with line-side fuse 50 kA according UL 600 V operational current / at AC / according to UL 250 A obst/L 60947-4-1 / rated value 600 V operational current / at AC / according to UL 600 V 0504UL 60947-4-1 / rated value 100 active power (hp) / at AC / at 600 V / according to UL 50 0504UL 60947-4-1 / rated value 75		
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 • 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 hor of drive No voltage trigger No voltage trigger No Sok A conditional short-circuit dureent / with line-sid		
Suitability suitability for 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		
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element black Product details 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 / maximum 6 mm product details No votage 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 / at coording to UL operational current / at AC / at 600 V / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power (hp) / at AC / at 600 V / according to UL 50 solut 60947-4-1 / rated value 75 solut 60947-4-1 / rated value 75 solut 60947-4-1 / rated value 75		
main switch ves switch disconnector ves eMERGENCY OFF switch No safety switch maintenance/repair switch Yes Appearance color / of the actuating element black Product details product feature e can be locked into OFF position rumber of bracket locks / maximum a hasp thickness / of the bracket locks / maximum fast phickness / of the bracket locks / maximum a maximum hasp thickness / of the bracket locks / maximum or out of the bracket locks / maximum forduct extension / optional e motor drive voltage trigger No solution orditional short-circuit current / with line-side fuse profection operational current / at AC / according 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 10 to A		
• 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 Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 6 mm product extension / optional • motor drive • woltage trigger No Short circuit Solut conditional short-circuit current / with line-side fuse protection 50 kA according UL 250 A operational current / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 100 active power [hp] / at AC / at 450 V / according to UL 75 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA		Yes
safety 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 6 may thickness / of the bracket locks / maximum 6 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 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 (SCR) / at 600 V / according 10 kA		
maintenance/repair switch Yes Appearance 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 6 mm product extension / optional • 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 So kA according UL operating voltage / 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 short-time withstand current (SCCR) / at 600 V / according ture	 switch disconnector 	Yes
maintenance/repair switch Yes Appearance 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 6 mm product extension / optional • 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 So kA according UL operating voltage / 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 short-time withstand current (SCCR) / at 600 V / according ture		
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 / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 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 250 A operational current / 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 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according to UL 75	EMERGENCY OFF switch	No
color / of the actuating element black 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 6 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 operating voltage / at AC / 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 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 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 wi	EMERGENCY OFF switchsafety switch	No Yes
Product details product feature • can be locked into OFF position number of bracket locks / maximum asp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum fraget for the bracket locks / maximum hasp thickness / of the bracket locks / maximum fraget for the bracket locks / maximum hasp thickness / of the bracket locks / maximum fraget for the bracket locks fraget for the bracket locks <td> EMERGENCY OFF switch safety switch maintenance/repair switch </td> <td>No Yes</td>	 EMERGENCY OFF switch safety switch maintenance/repair switch 	No Yes
product feature Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm product extension / optional 6 mm • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 50 kA according UL 250 A operational current / at AC / according to UL 508/UL 600 V obstruct 60947-4-1 / rated value 600 V active power [hp] / at AC / at 50/60 Hz / according to UL 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 75 short-time withstand current (SCCR) / at 600 V / according 10 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance	No Yes 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 6 mm product extension / optional 6 mm • 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 250 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 100 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according to UL 75	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element	No Yes Yes
number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 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 250 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 600 V 508/UL 60947-4-1 / rated value 100 active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 75	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details	No Yes Yes
hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm product extension / optional 6 mm whore of trive No • wotrage 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 250 kA according UL 600 V 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 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 75 short-time withstand current (SCCR) / at 600 V / according 10 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature	No Yes Yes black
hasp thickness / of the bracket locks / maximum 6 mm product extension / optional No e 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 250 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 100 508/UL 60947-4-1 / rated value 75 soB/UL 60947-4-1 / rated value 75 soB/UL 60947-4-1 / rated value 75	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position	No Yes Yes Variational de la construction de la con
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 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 100 508/UL 60947-4-1 / rated value 75 sol/UL 60947-4-1 / rated value 75 sol/UL 60947-4-1 / rated value 75	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position number of bracket locks / maximum	No Yes Yes black Yes 3
motor drive voltage trigger 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 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 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL for the function of the function o	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum	No Yes Yes black Yes 3 4 mm
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 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 10 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum	No Yes Yes black Yes 3 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 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 10 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum product extension / optional	No Yes Yes Jack Yes 3 4 mm 6 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 250 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 100 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 75 solvUL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional e motor drive	No Yes Yes black Yes 3 4 mm 6 mm
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 250 A o0947-4-1 / rated value 250 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 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 10 kA	EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature e can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional e motor drive e voltage trigger	No Yes Yes black Yes 3 4 mm 6 mm
according UL operational current / at AC / according to UL 508/UL 250 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 100 active power [hp] / at AC / at 480 V / according to UL 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 10 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger 	No Yes Yes black Yes 3 4 mm 6 mm
operational current / at AC / according to UL 508/UL 250 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 100 active power [hp] / at AC / at 480 V / according to UL 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 10 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse 	No Yes Yes black Yes 3 4 mm 6 mm
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 100 active power [hp] / at AC / at 480 V / according to UL 100 508/UL 60947-4-1 / rated value 75 sctive power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 10 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum 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 	No Yes Yes black Yes 3 4 mm 6 mm No No
508/UL 60947-4-1 / rated value 100 active power [hp] / at AC / at 480 V / according to UL 100 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 10 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum 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 	No Yes Yes black Yes 3 4 mm 6 mm No No
active power [hp] / at AC / at 480 V / according to UL 100 508/UL 60947-4-1 / rated value 100 active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum 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 	No Yes Yes black Yes 3 4 mm 6 mm No No No
active power [hp] / at AC / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 10 kA	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum 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 	No Yes Yes black Yes 3 4 mm 6 mm 6 mm No No S0 kA
	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum 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 active power [hp] / at AC / at 480 V / according to UL 	No Yes 3 4 mm 6 mm No No No 250 kA 250 A 600 V
	 EMERGENCY OFF switch safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum 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 operating voltage / 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 	No Yes Jack Yes 3 4 mm 6 mm No No No 250 kA 250 A 600 V 100

continuous current / of upstream fuse / according to UL /	200 A
rated value type of fuse / according to UL	RK5
Number	
	2
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	3
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• minimum	1
• maximum	4/0
type of connectable conductor cross-sections / for copper	
conductor • solid	1x (16185mm²)
 finely stranded / with core end processing 	1x (16150mm ²)
• stranded	1x (16185mm²)
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 / required 	fuse gL/gG: 250 A
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
Mechanical Design	
height	169 mm
width	112 mm
depth	94 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
• 4-hole front mounting	Yes
 front mounting with central attachment 	No
-	
rail mounting	No
net weight	3 264 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
General Product Approval	Declaration of Conformity
Confirmation CSA	

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Declaration of Conformity

Test Certificates

7/8/2022

other

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<u>Type Test Certific-</u> ates/Test Report 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=3LD2418-1TL11 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2418-1TL11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2418-1TL11 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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