SIEMENS

Data sheet

3LD2714-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 100 A, Operating power / at AC-23 A at 400 V: 37 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	4
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	64 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	64 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 	7.5 W
 per conductor / typical 	8 W
Current	
operational current	
• at 40 °C / rated value	100 A
• at 45 °C / rated value	100 A
• at 50 °C / rated value	100 A
• at 55 °C / rated value	100 A

et AC / rated value int AC / rated value inther / rated va		
	at AC / rated value	100 A
operational current / of upstheam fuse / rade value 100 A let-Hrough current / with closed switch 90 A et at 600 V / for combination switch + gG fuse / maximum permissible 10 kA maximum permissible 10 kA value Acc33 A rai 240 V / rated value 18.5 kW et AC-23 A rai 240 V / rated value 18.5 kW et AC-23 A rai 240 V / rated value 37 kW et AC-23 A rai 240 V / rated value 37 kW et AC-23 A rai 240 V / rated value 30 kW et AC-23 A rai 240 V / rated value 30 kW et AC-23 A rai 240 V / rated value 20 kW operational current / rated value 30 kW et AC-23 A rai 400 V / rated value 20 kW operational current / rated value 100 A Auxiliary contacts / rai auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 perating value / of the auxiliary contacts 0 subtability for use Yes • switch disconnector Yes • switch disconnector Yes • sately switch		
lethrough current / whit clased switch 10 kA ext 640 V / for combination switch + gG fuse / reasmum permissible 10 kA wasmum permissible 18 5 kW • at AC-23 A i at 400 V / rated value 37 kW • at AC-23 A i at 400 V / rated value 30 kW • at AC-3 A i at 400 V / rated value 30 kW • at AC-3 A i 400 V / rated value 30 kW • at AC-3 A i 400 V / rated value 30 kW • at AC-3 / rated value 100 A Availiary contracts 0 number of Co contracts / for auxiliary contracts 0 number of KO contracts / for auxiliary contracts 0 operational current / ratel value 500 V contracts / of auxiliary contracts 0 operating voltage / of auxiliary contracts 0 operating voltage / of auxiliary contracts 0 subability 0 0 subability for use • • main knance/repair switch	at AC-21 A / at 440 V / rated value	100 A
	operational current / of upstream fuse / rated value	100 A
maximum a GS (Jac) / for combination switch + gG (Jac) / 10 kA Main Criccil i A AC-23 A / a (Ja 20 V / rated value a A AC-23 A / a (Ja 20 V / rated value 37 kW a A AC-23 A / a (Ja 0 V / rated value 37 kW a A AC-23 A / a (Ja 0 V / rated value 37 kW a A AC-23 A / a (Ja 0 V / rated value 37 kW a A AC-23 A / a (Ja 0 V / rated value 37 kW a A AC-33 A / a (Ja 0 V / rated value 30 kW a A AC-37 (Ja (Ja 0 V / rated value 30 kW a A AC-37 (Ja (Ja 0 V / rated value 30 kW a A AC-37 (Ja (Ja 0 V / rated value 100 A Auxiliary decid 100 A Auxiliary decid 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operation wolkage / for auxiliary contacts 0 output of 10 contacts / for auxiliary contacts 0 output of 10 contacts / for auxiliary contacts 0 insulation voltage / of auxiliary contacts 0 output of 10 the auxiliary contacts 0 switch disconnector Yes • maint issonnector Yes • maint issonnector	let-through current / with closed switch	
• at 600 // for combination switch + gG fuse / 10 kA Main circuit • operating power • • at AC-23 A / at 240 // rated value 37 kW • at AC-23 A / at 240 // rated value 37 kW • at AC-23 A / at 240 // rated value 37 kW • at AC-23 A / at 240 // rated value 30 kW • at AC-23 A / at 240 // rated value 30 kW • at AC-31 / at 240 // rated value 30 kW • at AC-31 / at 240 // rated value 30 kW • at AC-31 / at 240 // rated value 30 kW • at AC-31 / at 240 // rated value 30 kW • at AC-31 / at 800 // rated value 30 kW • at AC-31 / at 800 // rated value 30 kW • at AC-31 / at 800 // rated value 30 kW • at AC-31 / rated value 0 A • main switch / for auxiliary contracts 0 • main switch 10 A • main switch Yes • suftability for use • main switch • at 8/0 kers Yes • at 8/0 kers Yes • at 8/0 kers Yes • at 8/0 ker		10 kA
maintum permissible Main circuit operating power • al AC-23 A / at 20 V / rated value • al AC-23 A / at 400 V / rated value • al AC-23 A / at 400 V / rated value • al AC-3 A / at 500 V / rated value • al AC-3 A / at 500 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al AC-3 / at 200 V / rated value • al All AD - all AC-2 / rate allary contacts / rate value 500 V ocontacts / for auxiliary contacts / rate value 500 V continuous current / of the auxiliary contacts / rate value • allability suitability for use • exitich allason value Product feature • alialo controls / resitich		
Main circuit operating power • at AC-23 A / at 40 V / rated value 37 kW • at AC-23 A / at 40 V / rated value 37 kW • at AC-23 A / at 40 V / rated value 37 kW • at AC-23 A / at 40 V / rated value 30 kW • at AC-31 / at 200 V / rated value 30 kW • at AC-31 / at 200 V / rated value 30 kW • at AC-31 / at 200 V / rated value 30 kW • at AC-31 / at 200 V / rated value 30 kW • at AC-31 / at 200 V / rated value 0 A Axatiany circuit 100 A Axatiany circuit 0 number of NC contacts / for auxiliary contacts 0 operational contacts / for auxiliary contacts 0 operating all diage / fa xuliary contacts 0 A Axatiany circuit 100 A maints witch 500 V continuous current / of the auxiliary contacts 10 A insultation voltage / a fa xuliary contact / rated value 500 V Suitability for use • • main switch Yes • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • asafe yswitch Yes • asafe yswitch Yes • asafe yswitch Yes		10 kA
operating power e at AC-23 A / at 240 V / rated value e at AC-23 A / at 400 V / rated value 37 kW e at AC-23 A / at 400 V / rated value 37 kW e at AC-23 A / at 400 V / rated value 37 kW e at AC-32 / at 2400 V / rated value 30 kW e at AC-32 / at 2400 V / rated value 30 kW e at AC-32 / at 2400 V / rated value 30 kW e at AC-3 / at 260 V / rated value 21 kW e at AC-3 / at 260 V / rated value 22 kW e at AC-3 / at 260 V / rated value 22 kW operational current / rated value 100 A Axxitary circuit rumber of CO contacts / for auxilary contacts 0 rumber of CO contacts / for auxilary contacts 0 continuous contacts / for auxilary contacts 0 continuous contacts / for auxilary contacts 0 continuous contacts / for auxilary contacts 0 vesting instructs vesting voltage / of the auxilary contacts Ves suitability suitability suitability for use e main switch ves e savich disconnector Ves vesses e addres / maximum product feature voltage / of the auxilary switch / rated ves vesses		
• at AC-23 A / at 690 V / rated value 30 kW • at AC-3 / at 240 V / rated value 18.5 kW • at AC-3 / at 640 v / rated value 22 kW operational current / rated value 20 A operational current / rated value 00 A Auxiliary contacts 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 ontinuous current / of the auxiliary contacts 0 ontinuous current / of the auxiliary contacts 0 suitability 500 V suitability 7es <		
• at AC-3 / at 240 V / rated value 18.5 kW • at AC-3 / at 400 V / rated value 30 kW • et AC-3 / at 690 V / rated value 22 kW operational current / rated value 100 A Auxiliary circuit 100 A number of C0 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 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 9 • nain switch Yes • saint switch Yes • anain switch Yes • anaintenance/repair switch Yes Appearance color / of the auxiliary contact / raximum of the auxiliary contact / raximum 3 hasp thickness / of the bracket locks / maximum 3 number of bracket locks / maximum 8 mm		
• at AC-3 / at 690 V / rated value 22 kW operational current / rated value 100 A Availary circuit 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of the auxiliary contacts / rated value 500 V continuous current / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value 500 V solutage / of the auxiliary contact / rated value Yes • enain switch Yes • enain switch Yes Appearance color / of the atoualing element <td< td=""><td> at AC-3 / at 240 V / rated value </td><td></td></td<>	 at AC-3 / at 240 V / rated value 	
operational current / rated value 100 A Auxiliary circuit		
Auxiliary circuit number of C0 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V suitability 500 V suitability 500 V suitability for use 500 V • main switch Yes • switch disconnector Yes • suitability switch Yes • mainsence/repair switch Yes • color / of the actuating element black Product dataits 7es product dataits 7es product dataits 8 mm product dataits No • can be locked into OEF position Yes • can be locked locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product dataits No • voltage trigger No • orab locked lock / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm <tr< td=""><td></td><td></td></tr<>		
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 contacts 0 insulation voltage / of auxiliary contacts 0 suitability 500 V Suitability 500 V suitability 500 V suitability for use 9 • main switch Yes • switch disconnector Yes • suitability (symbol) Yes • addrey switch Yes • addrey switch Yes • color / of the actuating element Yes Product details 10 product feature 9 • can be locked into OFF position Yes • number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm product detature No • woltage trigger No Short circuit 00 conditional short-circuit current / with line-side fuse 50 kA act	operational current / rated value	100 A
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 suitability 500 V suitability 500 V suitability 500 V 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 e • ona be locked into OFF position Yes number of bracket locks / maximum 3 nage thickness / of the bracket locks / maximum 8 mm product details No voltage trigger No soltability 600 kA actoring UL generating voltage trigger ond triore soltability product feature 600 V oucting tr	Auxiliary circuit	
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 500 V insulation voltage / of the auxillary switch / rated value 500 V Suitability 500 V suitability for use 6 • main switch Yes • switch disconnector Yes • maintenance/repair switch Yes • maintenance/repair switch Yes oclor / 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 8 mm product details No voltage trigger No Short circuit 000 A conditional short-circuit current / with line-side fuse protection 600 V <td< td=""><td>number of CO contacts / for auxiliary contacts</td><td>0</td></td<>	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 500 V suitability 745 suitability 745 suitability 745 suitability 746 suitability 746 suitability 746 suitability 746 suitability 75 suitability 75 <tr< td=""><td>number of NC contacts / for auxiliary contacts</td><td>0</td></tr<>	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 500 V suitability for use • main switch • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • adefy 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 / maximum 8 mm product extension / optional • woltage trigger • woltage trigger No Short circuit 00 A conditional short-circuit current / with line-side fuse 50 kA according UL 600 V operational current / at AC / at 600 Hz / according to UL 600 V S08UL 60047-4-1 / rated value 60 active power (hp/) r41 AC / at 600 V / according to UL 50 S08UL 60047-4-1 / rated value 60 solutional short-circuit value 60 operating voltage / at AC / at 500 Hz / according to UL 50	number of NO contacts / for auxiliary contacts	0
insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use main switch switch disconnector Sease Se	operating voltage / of auxiliary contacts / at AC / maximum	500 V
Suitability suitability suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes color / of the actuating element Product details product feature • can be locked into OFF position Yes 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 Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value operating voltage / rate / rate value operating voltage / rate / rate value operating voltage / rate / rate value sobot/UL 60947-4-1 / rated value	continuous current / of the auxiliary contact / 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 Appearance color / of the actuating element product details product details product details product details 3 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 details No void of tive No • old age 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 600 V 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 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 <td>insulation voltage / of the auxiliary switch / rated value</td> <td>500 V</td>	insulation voltage / of the auxiliary switch / rated value	500 V
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 product details product details product details product details 3 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 details No void of tive No • old age 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 600 V 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 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 <td>Suitability</td> <td></td>	Suitability	
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 number of bracket locks / maximum a hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum s hasp thickness / of the bracket locks / maximum roduct extension / optional e motor drive voltage trigger No solution solution set of the bracket locks / maximum a mm hasp thickness / of the bracket locks / maximum s roduct extension / optional e motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse profection operational current / at AC / according to UL 508 KL 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-tirce value		
• EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element black 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 • • motor drive No • voltage trigger No Short circuit So kA according UL 600 V operational current / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 60 active power (hp) / at AC / at 500 V / according to UL 50 508/UL 60947-4-1 / rated value 60 short-time withstand current (SCCR) / at 600 V / according to UL 75 508/UL 60947-4-1 / rated value 75		Yes
• EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element black 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 • notor drive • voltage trigger No Short circuit Solor Circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL 0perational current / at AC / at 50/60 Hz / according to UL 508/UL 600 V 500 V 500 V 500 V 500 V 200 V 20	switch disconnector	
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 / minimum 4 mm hasp 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 / at coording 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 details product feature can be locked into OFF position Yes number of bracket locks / maximum asp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum more of bracket locks / maximum masp thickness / of the bracket locks / maximum more of the bracket locks / maximum the of the bracket locks / maximum the of the bracket locks / maximum the of the bracket		
Appearance 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 8 mm product extension / optional • motor drive • notor 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 / a ccording to UL 508/UL 600 V/ according to UL 508/UL	-	
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 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 short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		
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 hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum basp thickness / of the bracket locks / maximum bactorout theta black <t< td=""><td></td><td>black</td></t<>		black
product feature Yes • can be locked into OFF position 3 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 0perational current / at AC / according to UL 508/UL 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 active power [hp] / at AC / at 480 V / according to UL 50 sol8/UL 60947-4-1 / rated value 75 sol8/UL 60947-4-1 / rated value 75 sol8/UL 60947-4-1 / rated value 75	5	DIACK
• 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 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 60 active power [hp] / at AC / at 480 V / according to UL 60 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA		
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 100 A operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 60 active power [hp] / at AC / at 600 V / according to UL 60 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA		
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 100 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 active power [hp] / at AC / at 480 V / according to UL 60 508/UL 60947-4-1 / rated value 60 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	· · · · · · · · · · · · · · · · · · ·	
hasp thickness / of the bracket locks / maximum 8 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 100 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 60 active power [hp] / at AC / at 480 V / according to UL 60 508/UL 60947-4-1 / rated value 60 short-time withstand current (SCCR) / at 600 V / according to UL 75		
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 operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 60 active power [hp] / at AC / at 480 V / according to UL 60 508/UL 60947-4-1 / rated value 60 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		
• motor driveNo• voltage triggerNoShort circuitNoShort circuitState of the state		8 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 for the withstand current (SCCR) / at 600 V / according 10 kA	product extension / optional	
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	motor drive	No
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 100 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 60 508/UL 60947-4-1 / rated value 60 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	voltage trigger	No
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 100 A 60947-4-1 / rated value 100 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 60 508/UL 60947-4-1 / rated value 60 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA	Short circuit	
• at 690 V / by gG fuse / rated value 50 kA according UL 0 operational current / at AC / according to UL 508/UL 100 A 60947-4-1 / rated value 100 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 60 508/UL 60947-4-1 / rated value 60 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 75 solos/UL 60947-4-1 / rated value 10 kA	conditional short-circuit current / with line-side fuse	
according UL operational current / at AC / according to UL 508/UL 100 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 60 508/UL 60947-4-1 / rated value 60 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 75 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 kA		
operational current / at AC / according to UL 508/UL 100 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 active power [hp] / at AC / at 480 V / according to UL 60 508/UL 60947-4-1 / rated value 60 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 75 short-time withstand current (SCCR) / at 600 V / according 10 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 600 active power [hp] / at AC / at 480 V / according to UL 60 508/UL 60947-4-1 / rated value 60 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	according UL	
508/UL 60947-4-1 / rated value 60 active power [hp] / at AC / at 480 V / according to UL 60 508/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		100 A
active power [hp] / at AC / at 480 V / according to UL 60 508/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		600 V
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	active power [hp] / at AC / at 480 V / according to UL	60
short-time withstand current (SCCR) / at 600 V / according 10 kA		
		75

	II / 000 A
continuous current / of upstream fuse / according to L rated value	JL / 200 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary cor / attachable / maximum	ntacts 3
number of connectable NO contacts / for auxiliary con / attachable / maximum	ntacts 5
number of connectable CO contacts / for auxiliary con / attachable / maximum	ntacts 0
Connections	
AWG number / as coded connectable conductor cros	
section / solid	1
● maximum ● minimum	12
type of connectable conductor cross-sections / for co conductor	
• solid	1x (450mm²)
 finely stranded / with core end processing 	1x (435mm²)
stranded	1x (450mm²)
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: 100 A
 for short-circuit protection of the auxiliary switch required 	h / fuse gL/gG: 10 A
Mechanical Design	
height	106 mm
width	90 mm
depth	470.5 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	Yes
 front mounting with central attachment 	No
rail mounting	Yes
net weight	769 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
General Product Approval	
Confirmation (

EAC



Special Test Certificate





other

Miscellaneous Environmental Confirmations

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2714-0TK51 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2714-0TK51 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2714-0TK51 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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