SIEMENS

Data sheet

3LD3154-1TK53



Load disconnector 3LD3, lu 25 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 9.0kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive red / yellow 66x66 mm with auxiliary switch 10E + 1S

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	EMERGENCY-STOP 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, red/yellow
type of the driving mechanism / motor drive	No
General technical data	
number of poles	3
number of poles / note	3
type of device	fixed mounting
type of switch	front mounted
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	4 kA2.s
let-through l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 kA2.s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP / on the front	IP65
Dissipation	
power loss [W]	
 for rated value of the current / at AC / in hot operating state / per pole 	1.1 W
 per conductor / typical 	1 W
Current	
operational current	
• at 40 °C / rated value	25 A
• at 45 °C / rated value	25 A
• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A

• et AC-21 A / at 440 V / rated value 25 A operational current / of upstream fuse / rated value 26 A Herhrough current / with closed witch 3.5 kA • at 400 V / for combination switch + gG tuse / 3.5 kA • at 600 V / for combination switch + gG tuse / 4 kA • at 600 V / for combination switch + gG tuse / 4 kA • at AC-23 A / at 420 V / rated value 4 kW • at AC-23 A / at 440 V / rated value 1 kW • at AC-33 A / at 440 V / rated value 1 kW • at AC-33 A / at 440 V / rated value 1 kW • at AC-31 at 600 V / rated value 2 kW • at AC-31 at 600 V / rated value 2 kW • at AC-31 at 600 V / rated value 2 S A Availing original 7 st 800 V rated value • at AC-31 at 600 V / rated value 2 S A Availing value / of a usiliary contact / rated value 2 S A Availing value / of a usiliary contact / rated value 1 operational current / rated value 2 S A Availing value / of a usiliary contact / rated value 10 A insultan value / of a usiliary contact / rated value 10 A insultan value		
operational current / of upstream fise / rated value 25 A lef-Hrough current / with closed width 25 A ext 400 / / for combination width + gG fuse / maximum permissible 3.5 kA maximum permissible 4 kA Main circoit 4 kA operating power 4 kA ext AC 23 A/ at 240 / rated value 4 kW et AC 23 A/ at 240 / rated value 10 kW et AC 23 A/ at 240 / rated value 9 kW et AC 23 A/ at 240 / rated value 9 kW et AC 23 A/ at 240 / rated value 9 kW et AC 23 A/ at 400 / rated value 9 kW et AC 23 A/ at 400 / rated value 9 kW et AC 23 A/ at 400 / rated value 25 A Auxiliary contacts 6 anticle an		
Iel-Inough current / with classed switch 3.5 KA et R60 V / for combination switch + gG fuse / maximum 3.5 KA maximum, et missible 4 KA maximum, permissible 4 KA et R60 V / for combination switch + gG fuse / maximum permissible 4 KA maximum, permissible 4 KA et RC-23 A/ at 240 V / rated value 10 KW et RC-32 A/ at 440 V / rated value 9 KW et RC-32 A/ at 440 V / rated value 9 KW et RC-32 A/ at 440 V / rated value 9 KW et RC-32 A/ at 400 V / rated value 9 KW et RC-32 A/ at 400 V / rated value 7.5 KW promber of KC contacts // at 24 avalue 7.5 KW promber of KC contacts // at 24 avalue 0 contrinucus current / at dvalue 00 V contracts // at 24 avalue contacts // at 24 avalue 00 V contracts // at 24 avalue contacts // at 24 avalue 00 V contracts // at 24 avalue 00 V contact		
		25 A
maximum 4 KA maximum permissible 4 KA openting power 4 KA at AC:23 A / at 440 V / rated value 4 KW at AC:23 A / at 440 V / rated value 10 kW at AC:23 A / at 440 V / rated value 9 KW at AC:23 A / at 440 V / rated value 9 KW at AC:23 A / at 440 V / rated value 9 KW at AC:33 A / at 400 V / rated value 9 KW at AC:31 / at 240 V / rated value 8 KW at AC:32 / at 400 V / rated value 7.5 KW operational current / rated value 7.5 KW operational current / rated value 10 A number of NC contacts / for auxiliary contacts 1 operating power 10 A insultation values / for auxiliary contacts 1 ontimuus current / rated value 500 V outstation values / for auxiliary contacts 1 outstation values / outstats / ratesmum 500 V outstation values / outstats / ratesmum 500 V sultability 500 V sultability for use • main switch • main switch Yes • saflety switch Yes	-	0.514
• at 680 V / for combination switch + gG fuse / maximum permissible 4 kA Main circuit • at AC-23 A / at A0 V / rated value 4 kW • at AC-23 A / at A0 V / rated value 10 kW • at AC-23 A / at A0 V / rated value 10 kW • at AC-23 A / at A0 V / rated value 9 kW • at AC-23 A / at A0 V / rated value 9 kW • at AC-23 A / at A0 V / rated value 9 kW • at AC-37 at 240 V / rated value 9 kW • at AC-37 / at 240 V / rated value 7.5 kW • at AC-37 / at 260 V / rated value 25 A Auxiliary circuit 7.5 kW • at AC-37 / at 800 V / rated value 25 A Auxiliary circuit 10 number of NC contack / for auxiliary contacks 1 operational current / rated value 10 A contacks / for auxiliary contacks 10 A contacks / for auxiliary contacks 10 A contacks / for auxiliary contacks 10 A insultation values / of the auxiliary contacks 10 A sultatility for use • auxiliary contacks • main switch Yes • sultatility for use • auxiliary contacks • addecommetor	-	3.5 KA
maintum permissible Allon Circuit e al AC-23 A / at 20 V / rated value 4 KW e al AC-23 A / at 40 V / rated value 10 KW e al AC-23 A / at 40 V / rated value 9 KW e al AC-23 A / at 400 V / rated value 9 KW e al AC-23 A / at 600 V / rated value 9 KW e al AC-3 / at 280 V / rated value 8 KW e al AC-3 / at 280 V / rated value 25 A Availlary determent 25 A Availlary determent 25 A Availlary determent 500 V operating torget / for auxiliary contacts 1 number of CO contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contact / rated value 500 V operating votage / of auxiliary contact / rated value 500 V Solitability for use 10 A insultation votage / of the auxiliary switch / rated value 500 V Solitability for use 10 A insultation votage / of the auxiliary switch / rated value 500 V Solitability for use 10 A insultation votage / of the auxiliary switch / rated value 500 V		4 kA
operating power • at AC-23 A / at 240 V / rated value 4 KW • at AC-23 A / at 440 V / rated value 10 KW • at AC-23 A / at 440 V / rated value 9 KW • at AC-23 A / at 400 V / rated value 9 KW • at AC-23 A / at 400 V / rated value 9 KW • at AC-3 / at 280 V / rated value 9 KW • at AC-3 / at 280 V / rated value 4 KW • at AC-3 / at 280 V / rated value 25 A Avxiliary circuit 7.5 KW number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 500 V continuous current / of the auxiliary contacts 10 A insultation voltage / of the auxiliary contact / rated value 500 V exitability for use Yes • availet alisconnector Yes • savite alisconnector Yes • availet alisonnector Yes </td <td></td> <td></td>		
	Main circuit	
i.t AC-23 A / at 240 V / rated value i.t AC-23 A / at 240 V / rated value i.t AC-23 A / at 440 V / rated value i.t AC-23 A / at 460 V / rated value i.t AC-3 / at 240 V / rated value i.t AC-3 / at 240 V / rated value i.t AC-3 / at 240 V / rated value i.t AC-3 / at 240 V / rated value i.t AC-3 / at 240 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 250 V / rated value i.t AC-3 / at 20 / raxiliary contacts i.t AC-4 / the auxiliary contacts i.t AC-4 / the aux	operating power	
		4 kW
	 at AC-23 A / at 400 V / rated value 	10 kW
• et AC-3 / at 240 V / rated value 4 kW • et AC-3 / at 90 V / rated value 8 kW • et AC-3 / at 90 V / rated value 25 A operational current / rated value 25 A Auxiliary circuit 0 number of Co contacts / for auxiliary contacts 0 number of NG contacts / for auxiliary contacts 1 operating voltage / of the auxiliary contacts / rated value 10 A continuous current / of the auxiliary contacts / rated value 00 V continuous current / of the auxiliary contacts / rated value 10 A insultation voltage / of the auxiliary contact / rated value 00 V sultability 900 V sultability 900 V sultability 900 V sultability Yes e ality switch Yes e ality switch Yes product feature red product feature Color / of the acustaling element	 at AC-23 A / at 440 V / rated value 	9 kW
	 at AC-23 A / at 690 V / rated value 	9 kW
et AC-3 / at 690 V / rated value 7.5 kW operational current / rated value 25 A A Availary criteriat number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 continuous current / of the auxiliary contacts 1 operating voltage / of the auxiliary contacts / at AC / maximum sould age / of the auxiliary contact / rated value 00 V continuous current / of the auxiliary contact / rated value 500 V Statebility suitability for use enain switch Yes enain switch Yes enain switch Yes enaintenance/repair switch So ves enaintenance/repair switch red Product details product feature ena blocked linb OFF position yes enable locked linb OFF position yes enable locked linb OFF position sectal product feature bord crites ovoltage trigger No soldsall product feature for down soldsall product feature for down soldsall product feature for down	 at AC-3 / at 240 V / rated value 	4 kW
operational current / rated value 25 A Auxiliary circuit	• at AC-3 / at 400 V / rated value	8 kW
Auxiliary circuit Inumber of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 1 operating voltage / of auxiliary contact / at AC / maximum 500 V 500 V continuous current / of the auxiliary contact / rated value 10 A 1 insulation voltage / of the auxiliary contact / rated value 500 V 500 V Suitability suitability 500 V 500 V Suitability of use • • 6 • main switch Yes • • • switch disconnector Yes • • • adity switch Yes • • • adite hocked into OFF position Yes • • maintenance/repair switch Yes • Product detatis • • • product feature • • • • adito OFF position Yes • • number of bracket locks / maximum 3 • • namber of bracket locks / maximum 3 • •	• at AC-3 / at 690 V / rated value	7.5 kW
Auxiliary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 1 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 contact / rated value 500 V Suitability 500 V Suitability for use 10 A • main switch Yes • switch disconnector Yes • switch disconnector Yes • atiety switch Yes • atiety switch Yes • atiety switch Yes • coator / of the actuating element red Product detatis red product detatis Yes number of bracket locks / maximum 3 nasp thickness / of the bracket locks / maximum 3 nasp thickness / of the bracket locks / maximum 4 mm nasp totickness / of the bracket locks / maximum 5 motodia short-circuit current / with line-side fuse product detatise No Short circuit	operational current / rated value	25 A
number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts 1 insulation voltage / of fauxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 10 A suitability 500 V Suitability 500 V suitability for use 500 V • main switch Yes • switch disconnector Yes • switch disconnector Yes • anaintenance/repair switch Yes Product detature red octor / of the actuating element red Product detature can be locked into OFF position • acan be locked into OFF position Yes • anaber of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 8 mm special product feature Can be locked in zero position ordiag trigger <		
number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contact A C / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A Suitability 500 V suitability 500 V suitability 500 V suitability for use 10 A • main switch Yes • switch disconnector Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • can be locked into OFF position Yes product feature red • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 8 mm special product feature Can be locked in zero position product stension / optional No • voltage trigger No Short circuit 0 kA eatt90 V / by gG f		0
number of NO contacts / for auxiliary contacts / at AC / maximum 1 operating voltage / of auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 500 V <td></td> <td></td>		
operating voltage / of auxillary contacts / at AC / maximum 500 V continuous current / of the auxillary contact / rated value 10 A insulation voltage / of the auxillary switch / rated value 500 V Suitability 745 S suitability 745 S suitability 745 S suitability 745 S suitability 745 S<		
continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch Yes • afety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • of the actuating element red 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 special product feature Can be locked in zero position product setture No special product feature No • ortor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection it 440 V / by gG fuse / rated value • at 440 V / by gG fuse / rated value 6 kA according UL 600 V Operating voltage / rat AC / at 500/		
insulation voltage / of the auxiliary switch / rated value 500 V Suitability switch disconnector Yes • main switch Yes Yes • Switch disconnector Yes • switch disconnector Yes • safety switch Yes • main trenance/repair switch Yes • maintenance/repair switch Yes Product details Yes product details Yes ocan be locked into OFF position Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum 3 special product feature Can be locked in zero position product extension / optional No • woltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 600 V Operational current / at AC / a ccording to UL 508/UL 60947-4-1 / rated value 600 V obstyr-4-1 / rated value 10 doity power (hp) / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 600 V		
Suitability suitability for use • main switch • switch disconnector • Switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Yes • address strict • maintenance/repair switch Yes • can be locked into OFF position Yes number of bracket locks / maximum 1 hasp thickness / of the bracket locks / minimum 4 namber of bracket locks / maximum special product feature • oran be locked into CFF position Yes number of bracket locks / maximum special product feature Can be locked in zero position product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 400 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value operatin		
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Appearance		
 switch disconnector Yes EMERGENCY OFF switch safety switch realtenance/repair switch Yes maintenance/repair switch Yes color / of the actuating element red Product datalis product feature can be locked into OFF position Yes number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum special product feature can be locked into OFF position red can be locket locks / maximum amm special product feature can be locket locks / maximum special product feature Can be locked in zero position product extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value to KA at 690 V / by gG fuse / rated value to KA at 690 V / by gG fuse / rated value to KA according to UL operational current / at AC / at coording to UL 600 V 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 480		Yes
• EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes Appearance Color / of the actuating element color / of the actuating element red Product details 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 special product feature Can be locked in zero position product extension / optional No • notor drive No • otto day trigger No Short circuit Corrolitional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL Operational current / at AC / according to UL operational current / at AC / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 800 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10		
maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature ocan be locked into OFF position res red red		
Appearance color / of the actuating element red 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 special product feature product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 480 V / by gG fuse / rated value • at 680 V / by gG fuse / rated value operational current / at AC / according to UL 508/UL soB/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	-	
color / of the actuating element red 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 special product feature product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/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	· ·	
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 special product feature product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 0perational 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 600 V / according to UL 508/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		red
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 special product feature Can be locked in zero position product extension / optional • motor drive • woltage trigger No Short circuit • conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 A operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 600 V sol/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10		
• 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 special product feature Can be locked in zero position product extension / optional • motor drive • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 6 kA according UL 0perational current / at AC / according to UL 508/UL 25 A operational current / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 costive power [hp] / at AC / at 600 V / according to UL 10		
number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm special product feature Can be locked in zero position product extension / optional • motor drive • motor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 A operational current / at AC / according to UL 508/UL 600 V 60947-4-1 / rated value 600 V operationg voltage / at AC / at 50/60 Hz / according to UL 10 508/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 10		Yes
hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 8 mm special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 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 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10	· · · ·	
hasp thickness / of the bracket locks / maximum 8 mm special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 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 10 conditional active power [hp] / at AC / at 600 V / according to UL 10		
special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 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 10 solut L 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15		
product extension / optional No • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 0 perational 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 600 V 600 V solvUL 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 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 10 10		
• motor driveNo• voltage triggerNoShort circuitconditional short-circuit current / with line-side fuse protection10 kA• at 440 V / by gG fuse / rated value10 kA• at 440 V / by gG fuse / rated value6 kAaccording UL6 kAoperational current / at AC / according to UL 508/UL 60947-4-1 / rated value25 Aoperating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value600 Vactive power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value10active power [hp] / at AC / at 600 V / according to UL15		
• voltage trigger No Short circuit		No
Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 0 perational 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 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15		
conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 6 kA operational current / at AC / according to UL 508/UL 25 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 10 active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15		
protection at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value at 690 V / by gG fuse / rated value 6 kA at 690 V / by gG fuse / rated value 6 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V 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 10 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 15 		
• at 690 V / by gG fuse / rated value 6 kA according UL 0 operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 25 A operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V sole 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 15		
according UL operational current / at AC / according to UL 508/UL 25 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 10 active power [hp] / at AC / at 480 V / according to UL 10 active power [hp] / at AC / at 600 V / according to UL 15	 at 440 V / by gG fuse / rated value 	10 kA
operational current / at AC / according to UL 508/UL 25 A 60947-4-1 / rated value 25 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 10 508/UL 60947-4-1 / rated value 15	 at 690 V / by gG fuse / rated value 	6 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 10 active power [hp] / at AC / at 480 V / according to UL 10 active power [hp] / at AC / at 600 V / according to UL 15	according UL	
508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15		25 A
508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 15		600 V
		10
		15

<u>Confirmation</u>	EAL CE AR
General Product Approval	Declaration of Conformity
ambient temperature / during storage / minimum	-25 °C
• maximum	55 °C
• minimum	-25 °C
ambient temperature / during operation	
invironmental conditions	
net weight	200 g
rail mounting	No
 front mounting front mounting with central attachment 	Yes
4-hole front mounting	No
fastening method	
depthfastening method	Built-in unit fixed-mounted version
width	47 mm 114 mm
height	60 mm
lechanical Design	
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 25 A
design of the fuse link	
equirements	
 for auxiliary contacts 	Box terminals
for main current circuit	box terminal
type of electrical connection	
 stranded 	2x (0.75 2.5 mm ²), 1x 4 mm ²
 finely stranded / with core end processing 	2x (0.75 2.5 mm²), 1x 2.5 mm²
 auxiliary contacts solid 	2x (0.75 2.5 mm²), 1x 4 mm²
type of connectable conductor cross-sections / for	
• stranded	1x (2.5 to 16 mm²)
 finely stranded / with core end processing 	1x (2.516 mm²)
• solid	1x (2.5 to 16 mm ²)
type of connectable conductor cross-sections / for copper conductor	
minimum type of connectable conductor cross-sections / for connectable	14
• maximum	6
section / solid	
AWG number / as coded connectable conductor cross	
/ attachable / maximum connections	
/ attachable / maximum number of connectable CO contacts / for auxiliary contacts	0
/ attachable / maximum number of connectable NO contacts / for auxiliary contacts	4
number of connectable NC contacts / for auxiliary contacts	2
umber	
rated value	RK5
continuous current / of upstream fuse / according to UL /	50 A
to UL 508/UL 60947-4-1	

other

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=3LD3154-1TK53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3154-1TK53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3154-1TK53 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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