SIEMENS

Data sheet

3LD2305-1TL13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4pole, lu: 160 A, operating power / at AC-23 A 400 V: 75 kW, front-mounted, knob-operated mechanism, red/yellow, 4-hole mounting of the handle

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	selector switch	
design of handle	knob-operated mechanism, red/yellow	
type of the driving mechanism / motor drive	No	
General technical data		
number of poles	4	
type of device	fixed mounting	
type of switch	front mounted	
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	185 kA2.s	
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	185 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	160 A	
• at 45 °C / rated value	160 A	
• at 50 °C / rated value	160 A	
• at 55 °C / rated value	160 A	

		100 4
	• at AC / rated value	160 A
• et AC-21 Ar at 440 V / rated value 160 A • et AC-21 Ar at 440 V / rated value 160 A • et AC-21 Ar at 440 V / rated value 160 A • et AC-21 Ar at 440 V / rated value 160 A • et AC-21 Ar at 440 V / rated value 160 A • et AC-21 Ar at 440 V / rated value 15 kA • et AC-21 Ar at 240 V / rated value 15 kA • et AC-23 Ar at 240 V / rated value 75 kW • et AC-23 Ar at 240 V / rated value 75 kW • et AC-23 Ar at 240 V / rated value 75 kW • et AC-23 Ar at 240 V / rated value 75 kW • et AC-33 Ar at 240 V / rated value 75 kW • et AC-37 Ar 240 V / rated value 75 kW • et AC-37 Ar 240 V / rated value 75 kW • et AC-37 Ar 240 V / rated value 75 kW • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A • et AC-37 Ar 240 V / rated value 10 A		
operational current / of updarisam fuse / rated value 160 A let-Hrough current / with closed switch 15 kA et al 800 // for combination switch + gG fuse / maximum permissible 15 kA Main circuit reading power operating power et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 75 kW et al AC-23 A/ at 240 V / rated value 25 kW et al AC-23 A/ at 240 V / rated value 26 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 240 V / rated value 20 kW et al AC-23 A/ at 2		
isd-Hough current / with isolased switch: 15 kA is at 40 V / for combination switch + gG fuse / inse / inserview 15 kA issumm is kA issumm is kA operating power is kA is at AC-23 A rait 40 V / rated value 75 kW ist AC-23 A rait 40 V / rated value 75 kW ist AC-23 A rait 40 V / rated value 75 kW ist AC-23 A rait 40 V / rated value 75 kW ist AC-23 A rait 40 V / rated value 75 kW ist AC-23 A rait 40 V / rated value 160 A ist AC-3 rait 400 V / rated value 160 A variance raited value 100 A number of Co contacts / raited value 0 operational current / rated value 100 A operational current / rated value 0 operational current / rated value 0 operational current / rated value 0 operating values / of rauxilary contacts 0 operating values / of auxilary contacts 0 o		
• et 440 // for combination switch + gG fuse / maximum permissible 15 kA • at 600 // for combination switch + gG fuse / maximum permissible 15 kA • operating power • at AC-23 A / at 240 // rated value 75 kW • at AC-23 A / at 240 // rated value 75 kW • at AC-23 A / at 240 // rated value 75 kW • at AC-23 A / at 400 // rated value 75 kW • at AC-23 A / at 400 // rated value 75 kW • at AC-23 A / at 400 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-37 (at 600 // rated value 16 kA • at AC-38 (at 80 // rated value 16 kA • at AC-37 (at 400 // rated value 16 kA • at AC-38 (at 80 // rated value 10 kA • at AC-38 (at 80 // rated value 10 kA • at AC-38 (at 80 // rated value 10 kA • at AC-38 (at 80 // rated value 10 kA • at AC-39 (at 80 // rated value </td <td></td> <td>160 A</td>		160 A
maximum a GB V / for combination switch + gG fuse / 15 kA waximum permissible a A AC-28 A / at 240 V / rated value 75 kW et al AC-28 A / at 440 V / rated value 75 kW et al AC-28 A / at 440 V / rated value et al AC-28 A / at 440 V / rated value 75 kW et al AC-28 A / at 440 V / rated value et al AC-28 A / at 440 V / rated value 75 kW et al AC-38 / at 440 V / rated value et al AC-31 / at 240 V / rated value 26 kW et al AC-31 / at 240 V / rated value et al AC-31 / at 400 V / rated value 26 kW et al AC-31 / at 400 V / rated value operational current / rated value 20 kW et al AC-31 / at 400 V / rated value operation sector 0 0 0 number of NC contacts / for auxiliary contacts 0 0 0 number of NC contacts / for auxiliary contacts 0 0 0 continuous current / fifted value 500 V 500 V 500 V sultability for use 10 A 10 A 10 A insulation voltage / at willity contacts 10 A 10 A 10 A sultability for use 10 A 10 A 10 A 10 A sultability for	-	
• at 680 V / for combination switch + gG fuse / maximum permissible 15 kA Man circuit • at Acc23 A / at 240 V / rated value 75 kW • at Acc23 A / at 240 V / rated value 75 kW • at Acc23 A / at 400 V / rated value • at Acc23 A / at 400 V / rated value 75 kW • at Acc23 A / at 400 V / rated value • at Acc23 A / at 400 V / rated value 75 kW • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 35 kW • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 30 kW • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 10 A • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 0 • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 10 A • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 00 V • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 00 A • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 00 V • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 0 V • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 0 V • at Acc3 / at 400 V / rated value • at Acc3 / at 400 V / rated value 0 V • at Acc3 / at 400 V / rated value		15 KA
maximum permissible Value circuit • at AC-23 A / at 20 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 40 V / rated value • at AC-23 A / at 400 V / rated value • at AC-3 / at 200 V / rated value • at AC-3 / at 800 V / rated value <td></td> <td>15 kA</td>		15 kA
operating power is AC-23 A / at 400 V / rated value 75 KW et AC-23 A / at 400 V / rated value 75 KW et AC-32 A / at 400 V / rated value et AC-32 A / at 400 V / rated value 75 KW et AC-32 / at 2600 V / rated value et AC-32 / at 2600 V / rated value 56 KW 36 AC et AC-32 / at 2600 V / rated value s0 A Availary cinated value S0 KW et AC-37 / at 2600 V / rated value s0 A at AC-37 / at 2600 V / rated value s0 A valuer of NC contacts / for auxiliary contacts number of CO contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contacts 500 V contacts s0 AC subtibility s0 AC subtability soluth		
	Main circuit	
	operating power	
	• at AC-23 A / at 240 V / rated value	75 kW
et AC-23 / at 240 V / rated value 35 kW et AC-33 / at 240 V / rated value 35 kW et AC-33 / at 240 V / rated value 37 kW operational current / rated value 37 kW operational current / rated value 37 kW operating voltage / of auxiliary contacts 0 number of CO contacts / for auxiliary contacts 0 routher of NC contacts / for auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contact / at AC / maximum 500 V continuous current / of the auxiliary contact / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / tate value 500 V continuous current / of the auxiliary contact / tate value 500 V suitability suitability suitability suitability suitability suitability suitability color / of the auxiliary contact / Yes eller (alse) product feature color / of the auxiliary contact / Yes eller (alse) product feature color / of the auxiliary contact / Yes eller (alse) product feature e can be lacked into OFF position Yes eller (alse) product feature eller (alse) product extension / optional eller (alse) eller (alse) for the tracket locks / maximum for m product extension / optional eller (alse) for the trade value So	 at AC-23 A / at 400 V / rated value 	75 kW
• at AC-3 / at 240 V / rated value 35 kW • at AC-3 / at 240 V / rated value 50 kW • at AC-3 / at 3690 / rated value 160 A Auxiliary circuit 160 A number of C0 contacts / for auxiliary contacts 0 number of N0 contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts 0 insulation voltage / of the auxiliary contact / rated value 500 V Suitability 500 V Suitability Yes • anian switch Yes • anian switch Yes • add to lock in concor Yes • add to lock in concor Yes • add to lock in the or Concord in the concort Yes • add to lock in the or Concord in the concort Yes • add to lock in cons/m minimum 3	 at AC-23 A / at 440 V / rated value 	75 kW
	 at AC-23 A / at 690 V / rated value 	45 kW
	• at AC-3 / at 240 V / rated value	35 kW
operational current / rated value 160 A Auxiliary circuit	 at AC-3 / at 400 V / rated value 	50 kW
Auxiliary circuit Inumber of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 0 operating voltage / of auxiliary contacts 0 0 continuous current / of the auxiliary contacts 0 0 continuous current / of the auxiliary contacts 0 0 continuous current / of the auxiliary contact 10 A 10 A insulation voltage / of the auxiliary switch / rated value 500 V 500 V Suitability Suitability for use 0 0 • main switch Yes • • • Suitability for use • Yes • • ENERCENCY OFF switch Yes • • • anaintenance/repair switch Yes • Product details product detaure • can be locked into OFF position Yes • number of bracket locks / maximum 3 1 1 • name holds biot-circuit aurent / with line-side fuse No • 0 • otage trigger No • • 0 <tr< td=""><td> at AC-3 / at 690 V / rated value </td><td>37 kW</td></tr<>	 at AC-3 / at 690 V / rated value 	37 kW
Auxiliary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contacts 0 continuous current / of the auxiliary contact / rated value 500 V Suitability 0 suitability 0 suitability for use 0 • main switch Yes • Switch disconnector Yes • MERGENCY OFF switch Yes • maintenance/repair switch Yes or / of the actuating element red Product details Yes product feature 0 • can be locked locks / maximum 3 hasp thickness / of the bracket locks / maximum 6 mm product extension / optional No • ontor drive No • ontor drive No • ontor drive No • ontor drive No • otor drive No • otor drive No		
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 0 continuous current / of the auxiliary contacts 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V color / of the actuating element Yes Product detalus 6		
number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / A C / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of auxiliary switch / rated value 500 V Suitability suitability suitability for use Yes • main switch Yes • switch disconnector Yes • main switch Yes • auxiliary leaves Yes • maintenance/repair switch Yes • color / of the auxiliary leaves Yes • maintenance/repair switch Yes oclor / of the actuating element Yes Product details Yes product feature Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 nasp thickness / of the bracket locks / maximum 6 mm product extension / optional • motor drive • ontor drive No • oldage trigger No Short circuit 50 kA according UL		0
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary switch / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V suitability for use 10 A • main switch Yes • switch disconnector Yes • safety switch Yes • adaity switch Yes • maintenance/repair switch Yes • of the actuating element red Product details Yes product details Yes product details Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm product details No voltage trigger No Short circuit 50 kA conditional short-circuit current / with line-side fuse protection 600 V operating voltage / at AC / according to UL 500		
operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary sontact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use • main switch • switch disconnector Yes • switch disconnector Yes • safety switch Yes • safety switch Yes • main renance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • can be locked into OFF position Yes number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 6 mm hasp thickness / of the bracket locks / maximum 6 mm product extension / optional No • woltage trigger No Short circuit 50 kA according UL 600 V Operational short-circuit current / with line-side fuse protection 600 V operation (adde / - 41 200 kL 600 V Sbort circuit 600 V operatin		
Image: continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability for use • main switch • switch disconnector Yes • switch disconnector Yes • safety switch Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • color / of the actuating element red Product details red product feature 3 • 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 So kA eccording UL Gool V / by gG fuse / rated value operational current / at AC / according to UL 50 kA eaccording UL 600 V operational current / at AC / at 500 Hz / according to UL 50 obs/UL 60947-4-1 / rated value 50 solut L 60947-4-1 / rated value 50 operational current / at AC / at 500 Hz / according to UL 50 operating va		
insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability or use • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Product details 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 details No voltage trigger No Short circuit SolkA according UL 50 kA according UL 600 V oparing voltage / at AC / at 50/60 Hz / according to UL 50 colked poltage / at AC / at 50/60 Hz / according to UL 50 colked poltage / at AC / at 40 V / according to UL 50 colked poltage / at AC / at 40 V / according to UL 50 solut poltage / at AC / at 40 V / according to UL 50 solut poltage / at AC / at 600 V / according to UL 50 solut poltage / at AC / at 600 V / according to UL 50 solut poltage / at AC		
Suitability suitability for use • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes color / of the actuating element red Product details red 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 No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse conditional short-circuit current / with line-side fuse 50 kA according UL 600 V operational current / at AC / a coording to UL 600 V 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 50/0 Hz / according to UL 50 508/UL 60947-4-1 / rated value 50 <t< td=""><td></td><td></td></t<>		
suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes Appearance red color / of the actuating element red Product details product details product details red outch details safety switch 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 datage trigger No sword drive No • oldige trigger No Short circuit conditional short-circuit current / with line-side fuse protection operational current / at AC / at coording to UL 508/UL 60947-4-1 / rated value 50 kA according UL 0perational current / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value operational current / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 solut 60947-4-1 / rated value 50 active power (hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 solut 60947-4-1 / rated value 50 active power (hp] / at AC / at 600 V / according t		
main switch Yes switch disconnector Yes Switch disconnector Yes Seffet switch Yes Safet systich Yes Safet systich Tes Safet systich Yes Safet systich Safet systich Yes Safet systich Yes Safet systich Yes Safet systich Safet systich Yes Safet systich Yes Safet systich Yes Safet systich Safet systich		
 switch disconnector Yes EMERGENCY OFF switch safety switch safety switch Yes maintenance/repair switch Yes Appearance color / of the actuating element Product details product details product feature can be locked into OFF position Yes number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum for the bracket locks / maximum for the ordinal short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value So kA Socording outlage / at AC / at coording to UL 508/UL 600 V 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording 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 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 		Vec
EMERGENCY OFF switch Yes safety switch Yes maintenance/repair switch Yes maintenance/repair switch Yes Appearance color / of the actuating element red 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 mm product extension / optional e motor drive No voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection e at 690 V / by gG fuse / rated value operational current / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hb] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hb] / 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 to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 10 KA		
safety switch Yes maintenance/repair switch Yes Appearance color / of the actuating element red 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 No voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection e at 690 V / by gG fuse / rated value 50 kA according UL 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 short-time withstand current (SCR) / at 600 V / according 10 kA		
maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature		
Appearance color / of the actuating element red Product details	-	
color / of the actuating element red Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 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 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 180 A 600 V 50 kA active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 active power [hp		165
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 / maximum		d
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 600 V operational current / at AC / according to UL 508/UL 180 A obg47-4-1 / rated value 600 V active power [hp] / at AC / at 50/60 Hz / according to UL 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 short-time withstand current (SCCR) / at 600 V / according to UL 50	č	Tea
• 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 • woltage 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 180 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 600 V / according to UL 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / a		
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 180 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 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL	•	X
hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm product extension / optional 6 mm whord drive No • wotrage 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 180 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 75 active power [hp] / at AC / at 480 V / according to UL 50 short-time withstand current (SCCR) / at 600 V / according to UL 50	· · · · · · · · · · · · · · · · · · ·	
hasp thickness / of the bracket locks / maximum 6 mm product extension / optional No • motor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 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 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 scording to UL 50 508/UL 60947-4-1 / rated value 50 scording to UL 50 short-time withstand current (SCCR) / at 600 V / according 10 kA		
product extension / optional No • motor drive No • voltage trigger No Short circuit Snort circuit 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 600 V / according to UL 75 so8/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 so8/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 so8/UL 60947-4-1 / rated value 10 kA		
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 600 V / according to UL 50 short-time withstand current (SCCR) / at 600 V / according 10 kA	•	o 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 800 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		
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 180 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 75 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 kA		
conditional short-circuit current / with line-side fuse protection 50 kA • at 690 V / by gG fuse / rated value 50 kA according UL 50 kA operational current / at AC / according to UL 508/UL 180 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 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 short-time withstand current (SCCR) / at 600 V / according 10 kA		NO
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 180 A o0947-4-1 / 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 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 10 kA	Short circuit	
according UL operational current / at AC / according to UL 508/UL 180 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 75 active power [hp] / at AC / at 480 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 10 kA		
operational current / at AC / according to UL 508/UL 180 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 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 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 75 active power [hp] / at AC / at 480 V / according to UL 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 10 kA	according UL	
508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 480 V / according to UL 75 508/UL 60947-4-1 / rated value 50 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 short-time withstand current (SCCR) / at 600 V / according 10 kA		180 A
active power [hp] / at AC / at 480 V / according to UL 75 508/UL 60947-4-1 / rated value 75 active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 short-time withstand current (SCCR) / at 600 V / according 10 kA		
active power [hp] / at AC / at 600 V / according to UL 50 508/UL 60947-4-1 / rated value 50 short-time withstand current (SCCR) / at 600 V / according 10 kA		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 600 V / according to UL	75

continuous current / of upstream fuse / according to UL /	200 A
rated value	RK5
type of fuse / according to UL	RNJ
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	3
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 (16185mm ²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 finely stranded / with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Requirements	
design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 160 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
	Built-in unit fixed-mounted version
fastening method	Ver
4-hole front mounting	Yes
front mounting with central attachment	No
rail mounting	No
net weight	2 603 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
	Declaration of
General Product Approval	Conformity
General Product Approval	

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Declaration of Conformity

Test Certificates

other

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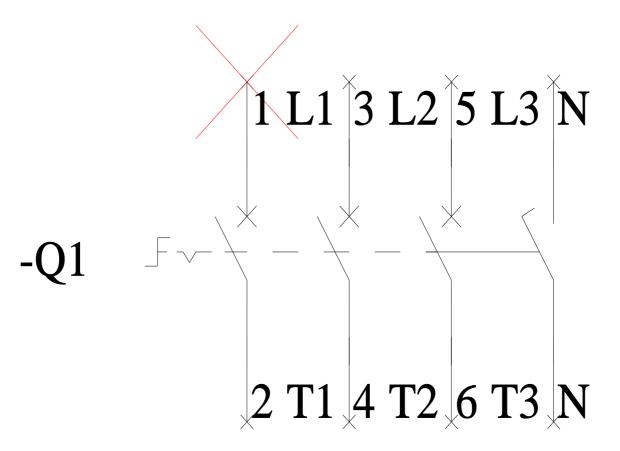
<u>c- Special Test Certific-</u> t<u>ate</u>

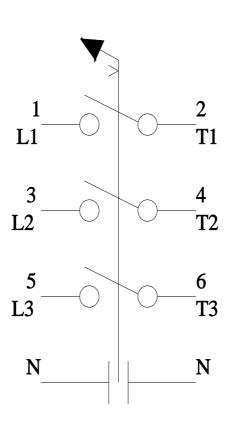
Environmental Confirmations **Miscellaneous**

Further information

http://www.siemens.com/specifications

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=3LD2305-1TL13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2305-1TL13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2305-1TL13 CAx-Online-Generator http://www.siemens.com/cax Tender specifications





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