SIEMENS

Data sheet

3LD3430-1TK11



Load disconnector 3LD3, lu 63 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 22.0 kW Installation in distribution boards, Basic switch with selector knob black with auxiliary switch 1OE + 1S

Model		
product brand name	SENTRON	
product designation	3LD Switch disconnector	
design of the product	Main switch	
display version / for switch position indicator manual operation	1 ON - 0 OFF	
design of the actuating element	selector switch	
design of handle	knob-operated mechanism, black	
type of the driving mechanism / motor drive	No	
General technical data		
number of poles	3	
number of poles / note	3	
type of device	fixed mounting	
type of switch	DIN-rail mounting	
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	21 kA2.s	
let-through l2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	21 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	IP40	
protection class IP / on the front	IP40	
Dissipation		
power loss [W]		
 for rated value of the current / at AC / in hot operating state / per pole 	4.5 W	
per conductor / typical	5 W	
Current		
operational current		
• at 40 °C / rated value	63 A	
• at 45 °C / rated value	63 A	
• at 50 °C / rated value	63 A	
• at 55 °C / rated value	63 A	
• at AC / rated value	63 A	

		40.4
• at AC21 A / at 240 V rated value 63 A operational current / of operational fue / rated value 63 A • at AQ1 / for combination switch + gG fuse / 64 A • at AQ1 / for combination switch + gG fuse / 64 A • at AQ1 / for combination switch + gG fuse / 64 A • at AQ21 / for combination switch + gG fuse / 64 A • at AQ21 / for combination switch + gG fuse / 64 A • at AQ23 / at 240 V / rated value 11 kW • at AQ23 / at 240 V / rated value 12 kW • at AQ23 / at 240 V / rated value 18 kW • at AQ23 / at 240 V / rated value 18 kW • at AQ23 / at 240 V / rated value 18 kW • at AQ23 / at 240 V / rated value 18 kW • at AQ23 / at 3400 V / rated value 18 kW • at AQ23 / at 3400 V / rated value 18 kW • at AQ23 / at 3400 V rated value 18 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 3400 V rated value 10 kW • at AQ23 / at 300 V rated value 10 kW <td< td=""><td>• at AC-23 A / at 400 V / rated value</td><td>43 A</td></td<>	• at AC-23 A / at 400 V / rated value	43 A
operational current / a tipatream fuse / rand value 63 A lethtrough current / with closed switch 9G fuse / 6 kA eat dd0 V / for combination switch + gG fuse / 6 kA maximum eat dd0 V / for combination switch + gG fuse / 6 kA oparting power eat dd0 V / for combination switch + gG fuse / 6 kA oparting power eat AC-23 A / at 240 V / rated value 11 kW eat AC-23 A / at 240 V / rated value 12 kW eat AC-23 A / at 240 V / rated value eat AC-23 A / at 240 V / rated value 12 kW eat AC-3 / at 260 V / rated value eat AC-3 / at 260 V / rated value 15 kW eat AC-3 / at 600 V / rated value eat AC-3 / at 260 V / rated value 15 kW eat AC-3 / at 600 V / rated value eat AC-3 / at 600 V / rated value 16 A for auxiliary contacts number of NC contacts / for auxiliary contacts 1 for auxiliary contacts oparational current / rated value 10 A insultainy contacts contacts / for auxiliary contacts 1 for auxiliary contacts contacts / for auxiliary contacts 10 A insultainy contacts insultainy contacts / for auxiliary contac		
Is-Hrough current / with closed switch at 680 V / for combination switch + gG /sse / maximum at 860 V / for combination switch + gG /sse / fill an curcuit or at AC 23 A / at 240 V / rated value at AC 23 A / at 240 V / rated value at AC 23 A / at 240 V / rated value at AC 23 A / at 400 V / rated value at AC 23 A / at 400 V / rated value at AC 23 A / at 400 V / rated value at AC 23 A / at 400 V / rated value at AC 23 A / at 400 V / rated value at AC 23 A / at 400 V / rated value at AC 3 / rate availary contacts 1 0 A immiden AC contacts / for auxilary contacts 1 0 A immiden AC contacts / for auxilary contacts 1 0 A imal availary availary rated value at AC 3 / at 400 V / rated value at at 40 / by for use at the auxilary availary rated value at the auxilary availary rated value at the auxilary contact / rated value at 40 / by gG fuse / rated value at 40 / by gG fuse / rate		
		63 A
maximum e.ak 680 V //fr combination switch + gG fuse / maximum permissible 6 kA Man circuit operating power e.at AC:23 A / at 240 V / rated value 11 kW e.at AC:23 A / at 240 V / rated value 12 kW e.at AC:33 A / at 40 V / rated value 22 kW e.at AC:23 A / at 400 V / rated value 22 kW e.at AC:33 A / at 40 V / rated value 28 kW e.at AC:31 / at 240 V / rated value 15 kW e.at AC:31 / at 240 V / rated value 68 A Axulinary direct 16 kW e.at AC:31 / at 240 V / rated value 63 A Axulinary direct 1 mumber of KO contacts / for auxiliary contacts 1 number of KO contacts / for auxiliary contacts 1 1 1 operating values of dor auxiliary contacts 1 0 1 outprice of WO contacts / for auxiliary contacts 1 0 1 operating values of dor auxiliary contacts 1 0 1 insultion values of KO contacts / fal AC / rankinum 600 V 000 V contracts carrent / of the auxiliary contact 1 0 1 insultion values of the auxiliary contact 1 <td>0</td> <td></td>	0	
maximum permissible Value circuit operating power • at AC223 A / at 240 V / rated value • at AC23 A / at 40 V / rated value • at AC24 A / at 40 V / rated value • at AC24 A / at 40 V / rated value • at AC24 A / at 40 V / rated value • at AC24 A / at 40 V / rated value • at AC24 A / at 40 V / rated value </td <td></td> <td>6 KA</td>		6 KA
operating power if AC-23 A / at 240 V / rated value if AC-23 A / at 440 V / rated value 22 kW if AC-23 A / at 440 V / rated value 22 kW if AC-23 A / at 440 V / rated value 22 kW if AC-23 A / at 440 V / rated value 22 kW if AC-23 A / at 400 V / rated value 22 kW if AC-23 A / at 400 V / rated value 15 kW if AC-3 / at 250 V / rated value if AC-3 / at 250 V / rated value if AC-3 / at 250 V / rated value if AC-3 / at 250 V / rated value if AC-3 / at 250 V / rated value if AC-3 / at 250 V / rated value if AC-23 / at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 at 250 V / rated value if AC-27 AT 250 V / rated value if AC-27 AT 250 V / rated va		6 kA
a i Ac-23 A / at 240 V / rated value 11 kW • at Ac-23 A / at 400 V / rated value 22 kW • at Ac-23 A / at 400 V / rated value 19 kW • at Ac-23 A / at 600 V / rated value 19 kW • at Ac-33 / at 400 V / rated value 19 kW • at Ac-3 / at 600 V / rated value 19 kW • at Ac-3 / at 600 V / rated value 19 kW • at Ac-3 / at 600 V / rated value 63 A Auxingr circuit 0 number of NC contacts / for auxiliary contacts 1 - operating voltage / of auxiliary contacts 1 - operating voltage / of auxiliary contacts / at AC / maximum 500 V Suitability 500 V Suitability 500 V Suitability for use • • main switch Yes • suitability for use • • can be locked into OFF position Yes Product feature • • main switch Yes • main switch Yes • main switch Yes • main switch Yes • at 600 V / for use • • at 600 V / for use •	Main circuit	
	operating power	
	 at AC-23 A / at 240 V / rated value 	11 kW
• al AC-23 A / at 890 V / rated value 19 kW • al AC-3 / at 240 V / rated value 11 kW • at AC-3 / at 600 V / rated value 18 kW • at AC-3 / at 600 v / rated value 63 A Avxiliary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 A ontimuse contacts / for auxiliary contacts 1 A ontimuse contacts / for auxiliary contacts 1 A operating voltage / of the auxiliary contacts 1 A insulation voltage / of the auxiliary contacts / at AC / maximu 500 V Suitability switch disconnector Yes • switch disconnector Yes • switch disconnector Yes ordaris Yes • auxiliany discontacts / for auxiliany contacts / at AC Product details product feature biack Product details product feature can be locked in 0 OFF position Yes number of Dicket locks / maximu 2	 at AC-23 A / at 400 V / rated value 	22 kW
• at AC-3 / at 240 V / rated value 11 kW • at AC-3 / at 240 V / rated value 19 kW • at AC-3 / at 500 V / rated value 19 kW • at AC-3 / at 500 V / rated value 63 A Auxiliary circuit 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V Suitability suitability for use • • main switch Yes • • Suitability for use Yes • • EMERCENCY OFF switch No • • safety switch Yes • • product detailing Ves • • product detailing Ves • • product detailing Yes • • product detailing Ves • • exafter yes • • • outage trigger Ves • • outage trigger No •	 at AC-23 A / at 440 V / rated value 	22 kW
• at AC-3 / at 800 V / rated value 19 kW • at AC-3 / at 800 V / rated value 15 kW operational current / rated value 0 number of CO contacts / for auxiliary contacts 0 number of ND contacts / for auxiliary contacts 1 operational current / of the auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of the auxiliary contact / rated value 500 V Suitability	 at AC-23 A / at 690 V / rated value 	19 kW
• at AC-3 / at 690 V / rated value 15 kW operational current / rated value 63 A Availiary circuit 0 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of the auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V insultation voltage / of the auxiliary contact / rated value 500 V sultability 7 sultability 500 V s	 at AC-3 / at 240 V / rated value 	11 kW
operational current / rated value 63 A Auxiliary circuit number of C0 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 1 operating voltage / of auxiliary contact / a for / auxiliary contact / a for / auxiliary contact / a for / auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / rated value 10 A 1 insulation voltage / of the auxiliary contact / rated value 500 V Suitability suitability for use • • • • witch disconnector Yes • • • unal neutron for the auxiliary sontact / rated value 500 V Suitability suitability for use • Yes • • witch disconnector Yes • • • and he locked into OFF position Yes • • product feature • • • • • oran be locked into OFF position Yes • • number of bracket locks / maximum 4 mm • • number of bracket locks / maximum 5 mm <	 at AC-3 / at 400 V / rated value 	19 kW
Auxillary circuit Image of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 1 1 operating voltage / of auxiliary contacts 1 500 V continuous current / of the auxiliary contacts 10 A 10 A insulation voltage / of the auxiliary contact / rated value 500 V 500 V Suitability 500 V 500 V 500 V Suitability for use 0 No 500 V • main switch Yes 900 V 500 V • emains witch Yes 900 V 500 V • emainteance/repair switch Yes 900 V 900 V • enalinteance/repair switch Yes 900 V 900 V • product feature black 900 V 900 V Product details 900 V 900 V 900 V product feature Can be locked into OFF position Yes 900 V number of bracket locks / maximum 2 10 kA 6 mm hasp thickness / of the bracket locks / maximum 6 mm 900 V 900 V	• at AC-3 / at 690 V / rated value	15 kW
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 the auxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 10 A suitability torus 500 V suitability 700 V <td>operational current / rated value</td> <td>63 A</td>	operational current / rated value	63 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 the auxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 10 A suitability torus 500 V suitability 700 V <td>Auxiliary circuit</td> <td></td>	Auxiliary circuit	
number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 continuous current / of the auxiliary contact / rated value 500 V insulation voltage / of the auxiliary switch / rated value 500 V suitability 10 A insulation voltage / of the auxiliary switch / rated value 500 V suitability 500 V </td <td></td> <td>0</td>		0
number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contacts / at AC / maximum 500 V Suitability 500 V <		1
Image: Solution of the auxiliary solution (rated value) 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability Solution voltage / of the auxiliary switch / rated value Suitability Solution voltage / of the auxiliary switch / rated value Suitability Solution voltage / of the auxiliary switch / rated value Suitability Frequence • main switch Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes oolor / of the actuating element black Product details Product details product feature e can be locked into OFF position • a na be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product tension / optional No • woltage trigger No Short circuit 10 kA conditional short-circuit current / with line-side fuse 10 kA e at 600 V / by gG fuse / rated value 6 kA according UL 60 A operational current / at AC / a coording to UL 60 A operational current / at AC / at 500 Ke / ac	number of NO contacts / for auxiliary contacts	1
Insulation voltage / of the auxillary switch / rated value 500 V Suitability suitability for use • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Product details product feature • can be locked into OFF position Yes • number of bracket locks / maximum 2 • hasp thickness / of the bracket locks / maximum 6 mm • special product feature Can be locked in zero position product dreating of poinal • notor drive • voltage trigger No Short circuit No Short circuit current / with line-side fuse for kA according UL operational current / with line-side fuse operational current / with line-side fuse 63 A according UL 63 A operational current / at AC / according to UL 500 V Stable / L orget / at AC / at 480 V / according to UL 500 V Stable / L orget / at AC / at 480 V / according to UL 500 V Stable / L orget / at AC / at 480 V / according to UL 500 V Stable / L orget /		500 V
insulation voltage / of the auxiliary switch / rated value 500 V Suitability switch disconnector Yes • main switch Yes • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • main switch Yes • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element Product feature black • can be locked into OFF position Yes • number of bracket locks / maximum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product feature No voltage trigger No Short circuit Correl conditional short-circuit current / with line-side fuse protection • at 400 V / by gG fuse / rated value 6 kA secording UL 63 A operational current / at AC / according to UL 600 V Stable_L & Aret V / at 40 V / according to UL 500 V Stable_L & Aret V / at 40 V / by G fuse / rated value 63 A operational current / at AC / according to UL 600 V Stable_L & Aret / at 40 V / according to UL 500 V	continuous current / of the auxiliary contact / rated value	10 A
Suitability suitability suitability for use • main switch • switch disconnector • SMERGENCY OFF switch • Safety switch • safety switch • maintenance/repair switch Yes Appearance color / of the actuating element Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum special product feature orduct details route txtension / 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 • at 690 V / by gG fuse / rated value 600 V Sobrid circuit operating voltage / at AC / at 500 / L according to UL Soball L 60947.4-1 / rated value active power hpi / at AC / at 600 V / according to UL </td <td></td> <td>500 V</td>		500 V
suitability for use Yes • main switch Yes • Switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes color / of the actuating element black Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position • motor drive No • voltage trigger No Special product feature Can be locked in zero position • outor 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 A according UL 63 A operational current / at AC / according to UL 508/UL 6047-4-1 / rated value operational current / at AC / at 480 V / according to UL 508/UL 6047-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 6047-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 6047-4-1 / rated value active p		
• main switch Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Appearance black color / of the actuating element black Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm 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 10 kA • at 690 V / by gG fuse / rated value 6 a A according UL 63 A 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 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at		
• switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes color / of the actuating element black Product details		Yes
• EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element color / of the actuating element black Product details		
Safety switch Yes maintenance/repair switch Yes Appearance color / of the actuating element black Product details product details product feature e can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum Special product feature Can be locked in zero position product extension / optional e motor drive voltage trigger No voltage trigger No voltage trigger No e at 440 V / by gG fuse / rated value e kA aecording UL operational current / with line-side fuse protection e at 440 V / by gG fuse / rated value f kA aecording UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / 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 coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at coording to UL S08/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V /		
• maintenance/repair switch Yes Appearance color / of the actuating element Product details product details product feature • can be locked into OFF position • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional • • motor drive No • voltage trigger No Short circuit 0 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 60 V operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 600 V operational current / at AC / at 50/60 Hz / according to UL 508/UL 60047-4-1 / rated value 600 V active power [hp] / at AC / at 400 V / according to UL 508/UL 60947-4-1 / rated value 30 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 30		
Appearance color / of the actuating element black Product details		
color / of the actuating element black Product details		
Product details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 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 • at 440 V / by gG fuse / rated value • at 400 V / by GG fuse / rated value • at 400 V / by GG fuse / rated value • 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 • at 690 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 • at 690 V / by GG fuse / rated value • according to UL 508/UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1		black
product feature Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 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 63 A operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 25 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 30		bidok
• can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 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 A according UL 63 A operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value 600 V solvUL 60947-4-1 / rated value 25 operating voltage / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 30		
number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional • motor drive • motor drive No • voltage trigger No Short circuit 0 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 63 A operational current / at AC / according to UL 508/UL 63 A 60947-4-1 / rated value 600 V soB/UL 60947-4-1 / rated value 25 active power [hp] / at AC / at 600 V / according to UL 30 soB/UL 60947-4-1 / rated value 30		Vee
hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 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 63 A operational current / at AC / according to UL 508/UL 600 V soB/UL 60947-4-1 / rated value 25 active power [hp] / at AC / at 600 V / according to UL 25 508/UL 60947-4-1 / rated value 30		
hasp thickness / of the bracket locks / maximum 6 mm 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 63 A operational current / at AC / according to UL 508/UL 63 A 600 V 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 25 508/UL 60947-4-1 / rated value 25 active power [hp] / at AC / at 600 V / according to UL 30		
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 6 kA according UL 6 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 63 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 600 V / according to UL 508/UL 60947-4-1 / rated value 25 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 30		
product extension / optional No • motor drive No • voltage trigger No Short circuit Image: 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 63 A operational current / at AC / according to UL 508/UL 63 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 25 508/UL 60947-4-1 / rated value 30		
• motor driveNo• voltage triggerNoShort circuitNoShort circuitImage: Short circuit current / with line-side fuse protection• 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 value63 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 value25active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value30		
• 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 6 kA operational current / at AC / according to UL 508/UL 63 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 25 508/UL 60947-4-1 / rated value 30		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 6 kA operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 63 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 25 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 30		
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 63 A operational current / at AC / according to UL 508/UL 63 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 25 508/UL 60947-4-1 / rated value 30		
protection10 kA• at 440 V / by gG fuse / rated value10 kA• at 690 V / by gG fuse / rated value6 kAaccording ULoperational current / at AC / according to UL 508/UL 60947-4-1 / rated valueoperating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value63 Aactive power [hp] / at AC / at 480 V / 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 value30		
• at 690 V / by gG fuse / rated value 6 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value 63 A operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 600 V 600 V so8/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 25 25 so8/UL 60947-4-1 / rated value 30	protection	
according UL operational current / at AC / according to UL 508/UL 63 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 25 508/UL 60947-4-1 / rated value 30		
operational current / at AC / according to UL 508/UL 63 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 25 508/UL 60947-4-1 / rated value 30 active power [hp] / at AC / at 600 V / according to UL 30		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 25 active power [hp] / at AC / at 480 V / according to UL 25 508/UL 60947-4-1 / rated value 30	according UL	
508/UL 60947-4-1 / rated value 25 active power [hp] / at AC / at 480 V / according to UL 25 508/UL 60947-4-1 / rated value 30 active power [hp] / at AC / at 600 V / according to UL 30		63 A
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		600 V
508/UL 60947-4-1 / rated value		25
short-time withstand current (SCCR) / at 600 V / according 5 kA	active power [hp] / at AC / at 600 V / according to UI	
		30

to UL 508/UL 60947-4-1	
continuous current / of upstream fuse / according to UL / rated value	50 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	4
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	6
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (2.5 to 16 mm ²)
 finely stranded / with core end processing 	1x (2.516 mm ²)
• stranded	1x (2.5 to 16 mm ²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded / with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	Box terminals
Requirements	
design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 63 A
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
Mechanical Design	
height	60 mm
width	47 mm
depth	77 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	No
 front mounting with central attachment 	No
rail mounting	Yes
net weight	200 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
General Product Approval	Declaration of Conformity
	FAL AR CE
CCC UL	EG-Konf.

other

Miscellaneous

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3430-1TK11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD3430-1TK11

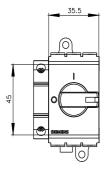
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3430-1TK11

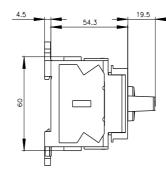
CAx-Online-Generator

http://www.siemens.com/cax

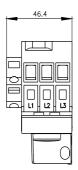
Tender specifications

http://www.siemens.com/specifications









Ø