SIEMENS

Data sheet 3LD2022-1TL11



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, front-mounted, knoboperated mechanism, black, 4-hole mounting of the handle

Model			
product brand name	SENTRON		
product designation	3LD Switch disconnector		
design of the product	Main switch		
display version / for switch position indicator manual operation	1 ON - 0 OFF		
design of the actuating element	selector switch		
design of handle	knob-operated mechanism, black		
type of the driving mechanism / motor drive	No		
General technical data			
number of poles	4		
type of device	fixed mounting		
type of switch	front mounted		
size of switch disconnector	1		
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	3 kA2.s		
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	2.5 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 	0.5 W		
 per conductor / typical 	1 W		
Current			
operational current			
• at 40 °C / rated value	16 A		
• at 45 °C / rated value	16 A		
at 50 °C / rated value	16 A		
• at 55 °C / rated value	16 A		

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e at AC-21 At 860 V / rated value	at AC / rated value	16 A
** at AC-21 A/ at 440 V / rated value 16 A ** at AC-21 A/ at 440 V / rated value 15 A ** operational current / of upstream lose / rated value 20 A ** let through current / with closed switch ** at 440 V / for combination switch + gG fuse / maximum ** at 690 V / for combination switch + gG fuse / maximum permissible ** with a combination switch + gG fuse / maximum permissible ** with a combination switch + gG fuse / maximum permissible ** at AC-23 A / at 240 V / rated value 8 kW ** at AC-23 A / at 240 V / rated value 8 kW ** at AC-23 A / at 440 V / rated value 8 kW ** at AC-23 A / at 440 V / rated value 8 kW ** at AC-23 A / at 440 V / rated value 8 kW ** at AC-23 A / at 440 V / rated value 8 kW ** at AC-31 at 240 V / rated value 9 kW ** at AC-31 at 240 V / rated value 9 kW ** at AC-31 at 260 V / rated value 9 kW ** at AC-31 at 680 V / rated value 9 kW ** at AC-31 at 680 V / rated value 9 kW ** operational current / rated value 16 A ** Auxiliary circuit 10 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 no continuous current / of the auxiliary contact / rated value 10 A maulation valtage / of the auxiliary switch / rated value 10 A maulation valtage / of the auxiliary switch / rated value 10 A maulation valtage / of the auxiliary switch / rated value 10 A mumber of NC contacts / for auxiliary contact / rated value 10 A mumber of NC contacts / for auxiliary contact / rated value 10 A mumber of NC contacts / for auxiliary contact / rated value 10 A mumber of NC contacts / for auxiliary contact / rated value 10 A mumber of NC contacts / for auxiliary contact / rated value 10 A mumber of NC contacts / for auxiliary cont		
e at AC-21 A/ at 44 dV / rated value let-through current / of upstream fuse / rated value let-through current / with classed switch at 440 V / for combination switch + gG fuse / make 600 V / for combination switch + gG fuse / make 600 V / for combination switch + gG fuse / make 600 V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / make fuse V / for combination switch + gG fuse / at AC-33 A/ at 40 V / rated value at AC-33 A/ at 40 V / rated value at AC-33 A/ at 40 V / rated value at AC-31 at 600 V /		
International current / or upstream tisse / rated value International current / with closed switch + gG fuse /		
lect through current / with closed switch + a 44 MV / for combination switch + gG fuse / maximum + at 800 V / for combination switch + gG fuse / maximum permissible Main circuit operating power • at AC-23 A / at 24 V / rated value		
a t4 440 V / for combination switch + gG fuse / maximum e at 690 V / for combination switch + gG fuse / maximum permissible Mann circuit operating power at AC-23 A / at 240 V / rated value	·	20 A
maximum at 880 V / for combination switch + gG fuse / maximum permissible Main circuit operating power at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 40 V / rated value at AC-34 A / at 500 V / rated value at AC-37 at 400 V / rated value be at AC-37 at 400 V / rated value at AC-37 at 400 V / rated value at AC-37 at 800 V / rated value be at AC-37 at 600 V / rated value at AC-37 at 600 V / rated value be at AC-37 at 600 V / rated value		O I-A
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maximum permissible Main circuit operating power at AC-23 A 1 at 240 V / rated value at AC-23 A 1 at 440 V / rated value at AC-23 A 1 at 440 V / rated value at AC-23 A 1 at 400 V / rated value at AC-33 A 1 at 90 V / rated value at AC-3 I at 240 V / rated value at AC-3 I at 260 V / rated value at AC-3 I at 260 V / rated value at AC-3 I at 260 V / rated value at AC-3 I at 260 V / rated value by at AC-3 I at 260 V / rated value at AC-3 I at 260 V / rated value by at AC-3 I at 260 V / rated value conditions current / rated value conditions current / rated value perational current / rated value operating voltage / of auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of the auxiliary contacts / rated value suitability for use main switch yes main switch yes main switch yes emain switch yes emain switch yes Appearance color / of the actuating element black Product datails product feature conditional short-circuit current / with line-side fuse product extension / optional mount of we voltage frigger No No voltage frigger No Short circuit conditional short-circuit current / with line-side fuse product extension / optional emotor dive voltage frigger No Short circuit conditional short-circuit current / with line-side fuse product extension / optional emotor dive voltage frigger No Short circuit conditional short-circuit current / with line-side fuse product extension / optional emotor dive voltage frigger No Short circuit 16 A 600 V 500 V 500 A according UL 500 V 500 A according UL 500 V 500 V		3 kA
operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value be at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value coperational current / rated value coperational current / rated value at AC-3 / at 240 V / rated value coperating value / rated value coperating value / rated value at AC-3 / at 240 V / rated value coperating value / rated v		
* at AC-23 A / at 400 V / rated value	Main circuit	
at AC-23 A / at 400 V / rated value at AC-23 A / at 400 V / rated value 3 A / C-23 A / at 500 V / rated value 3 A / W at AC-23 A / at 500 V / rated value 3 A / W at AC-3 / at 200 V / rated value 5 A / W at AC-3 / at 200 V / rated value 5 A / W at AC-3 / at 500 V / rated value 5 A / W be at AC-3 / at 500 V / rated value 5 A / W coperational current / rated value Auxiliary circuit number of CC contacts / for auxiliary contacts 0 current of NC contacts / for auxiliary contacts 0 current of NC contacts / for auxiliary contacts 0 coperating voltage / of auxiliary contacts / AC / maximum continuous current / of the auxiliary contacts / AC / maximum continuous current / of the auxiliary contact / AC / maximum continuous current / of the auxiliary contact / AC / maximum continuous current / of the auxiliary contact / AC / maximum continuous current / of the auxiliary contact / AC / maximum continuous current / of the auxiliary contact / AC / maximum continuous current / of the auxiliary contact / AC / maximum continuous current / of the auxiliary contact / AC / maximum yes autiability for use a main switch a switch disconnector yes a main switch yes a main switch yes a safety switch yes Appearance color / of the actualting element yes Appearance color / of the actualting element yes Appearance color / of the actualting element yes a can be locked into OFF position number of bracket locks / maximum a montor drive a notor drive a notor drive a notor drive No a ties of the bracket locks / maximum b motor drive a ties of the bracket locks / maximum a motor drive yout page trigger No Short circuit conditional short-circuit current / with line-side fuse protection a ties of the dracket value 50 kA according UL 50 kA according UL 50 kA according to UL 50 kA according to UL 50 kA according to UL 50 kA	operating power	
at AC-23 A / at 980 V / rated value at AC-23 A / at 980 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 980 V / rated value 5 x AV perational current / rated value 16 A Auxiliary circuit rumber of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts / rated value southouse current / of the auxiliary contact / rated value for AV suitability suitability suitability suitability suitability suitability suitability suitability for use a main switch a safety switch b Safety switch a safety switch b Safety switch b Safety switch Contacts of the auxiliary switch / Yes and be locked into OFF position asafety switch yes analytic feature a can be locked into OFF position yes number of bracket locks / maximum bracket locks / maximum analytic feature broadcut details and the bracket locks / maximum analytic feature a can be locked into OFF position analytic feature broadcut details		4 kW
at AC-23 A / at 680 V / rated value at AC-3 / at 240 V / rated value bit AC-3 / at 490 V / rated value at AC-3 / at 490 V / rated value bet AC-3 / at 690 V / rated value certain value standard value control valu	at AC-23 A / at 400 V / rated value	8 kW
at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value bat AC-3 / at 690 V / rated value 5.5 kW operational current / rated value Inumber of CO contacts / for auxiliary contacts Inumber of CO contacts / for auxiliary contacts Inumber of NO contacts / for auxiliary contacts Onumber of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of the auxiliary contacts Operating voltage / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Sout V Sultability Sulta	• at AC-23 A / at 440 V / rated value	7.5 kW
• at AC-3 / at 400 V / rated value 5.5 kW operational current / rated value 16 A Auxiliary circuit 10 Auxiliary contacts 10 0 10 10 10 10 10 10 10 10 10 10 10 1	at AC-23 A / at 690 V / rated value	8 kW
operational current? rated value 16 A Abxillary circuit number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use	at AC-3 / at 240 V / rated value	3 kW
operational current? rated value 16 A Abxillary circuit number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 0 operating voltage / of auxillary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use		6 kW
operational current / rated value Auxiliary circuit number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / A C / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value *** **Mark of the auxiliary switch / rated value *** **Suitability for use *** **main switch ** **saitability for use **main switch ** **saitability for use **main switch ** **saitability for use ** **saitability for use ** **main switch ** **yes **saitability for use ** **saitability for use **saitability for		
Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • maintenance/repair switch Appearance color / of the actuating element Product dataits product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 1690 V / by gG fuse / rated value active power [np] / at AC / at 50/60 Nz / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value active power [np] / at AC / at 60/0 V / according to UL 50/8UL 60/947-4-1 / rated value		
number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts operating voltage / of auxiliary contacts operating voltage / of auxiliary contacts / rated value insulation voltage / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value Suitability suitability		
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suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch • maintenance/repair switch Product details product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value active power [hp] / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 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 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 / rated value		000 V
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Switch disconnector EMERGENCY OFF switch Safety switch maintenance/repair switch Product details product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value operating UL operating UL operating VL 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 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 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 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 V / according to UL 508/UL 60947-4-1 / rated value short-lime withstand current (SCCR) / at 600 V / according to UL short-lime withstand current (SCCR) / at 600 V / according to UL short-lime withstand current (SCCR) / at 600 V / according to UL short-lime withstand current (SCCR) / at 600 V / according to UL	•	Voc
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* safety switch * Yes * maintenance/repair switch Yes Appearance color / of the actuating element black Product details product feature * can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm product extension / optional * motor drive No * voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection * at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / at 2006 Hz / 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 short-time withstand current (SCR) / at 600 V / according 5 kA		
maintenance/repair switch Appearance color / of the actuating element black Product details product details product details product feature	EMERGENCY OFF SWITCH	
Appearance 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 product extension / optional • motor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 4600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA		
color / of the actuating element Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	 safety switch 	Yes
Product details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 6 mm product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switchmaintenance/repair switch	Yes
product feature	safety switchmaintenance/repair switch Appearance	Yes Yes
ocan be locked into OFF position rumber of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum froduct extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value soperational current / at AC / according to UL 508/UL operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	 safety switch maintenance/repair switch Appearance color / of the actuating element 	Yes 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 product extension / optional	safety switch maintenance/repair switch Appearance color / of the actuating element Product details	Yes Yes
hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value soperational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	 safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature 	Yes Yes black
hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	 safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature 	Yes Yes black Yes
product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum	Yes Yes black Yes 2
motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum	Yes Yes black Yes 2 4 mm
● 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 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum	Yes Yes black Yes 2 4 mm
Short circuit conditional short-circuit current / with line-side fuse protection ■ at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional	Yes Yes black Yes 2 4 mm 6 mm
conditional short-circuit current / with line-side fuse protection ■ at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive	Yes Yes black Yes 2 4 mm 6 mm
protection • at 690 V / by gG fuse / rated value 50 kA according UL operational current / at AC / according to UL 508/UL 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 short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive	Yes Yes black Yes 2 4 mm 6 mm
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger	Yes Yes black Yes 2 4 mm 6 mm
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse	Yes Yes black Yes 2 4 mm 6 mm
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 short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection	Yes Yes black Yes 2 4 mm 6 mm No No
active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value	Yes Yes black Yes 2 4 mm 6 mm No No
508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL	Yes Yes black Yes 2 4 mm 6 mm No No
508/UL 60947-4-1 / rated value short-time withstand current (SCCR) / at 600 V / according 5 kA	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL	Yes black Yes 2 4 mm 6 mm No No No
	safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL	Yes Yes black Yes 2 4 mm 6 mm No No No 50 kA 16 A 600 V
	 safety switch maintenance/repair switch Appearance color / of the actuating element Product details product feature can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 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	Yes Yes black Yes 2 4 mm 6 mm No No No 7.5

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	2		
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0		
Connections			
AWG number / as coded connectable conductor cross section / solid			
maximum	10		
• minimum	18		
type of connectable conductor cross-sections / for copper conductor			
• solid	1x (16mm²)		
 finely stranded / with core end processing 	1x (14mm²)		
stranded	1x (16mm²)		
type of connectable conductor cross-sections / for auxiliary contacts			
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)		
• finely stranded / with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²		
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)		
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: 20 A		
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A		
Mechanical Design			
height	66 mm		
width	49 mm		
depth	89.5 mm		
fastening method	Built-in unit fixed-mounted version		
fastening method			
4-hole front mounting	Yes		
front mounting with central attachment	No		
• rail mounting	No		
net weight	196 g		
Environmental conditions			
ambient temperature / during operation			
• minimum	-25 °C		
maximum	55 °C		
ambient temperature / during storage / minimum	-25 °C		
General Product Approval			
out			





Confirmation





Miscellaneous

General Product Approval Declaration of Conformity	Test Certificates	Marine / Shipping	other
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Special Test Certificate



Environmental Confirmations

other

Miscellaneous

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2022-1TL11}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2022-1TL11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2022-1TL11

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



