SIEMENS

Data sheet

3LD2305-0TK11



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 160 A, Operating power / at AC-23 A at 400 V: 75 kW, front-mounted, knob-operated mechanism, black, 4-hole mounting of the handle

product brand name SENTRON product designation Switch disconnector design of the product Main switch display version for switch position indicator manual operation 1.0N + 0.0FF type of switch front mounted design of the actuating element selector switch color of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism motor drive No General technical data	Model	
design of the product Main switch display version for switch position indicator manual operation 10N - 0 OFF type of switch front mounted design of the actuating element selector switch color of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism motor drive No Ceneral technical data	product brand name	SENTRON
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operation front mounted design of the actuating element black color of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism motor drive No Ceneral technical data	design of the product	Main switch
design of the actuating element selector switch color of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism motor drive No Ceneral technical data		1 ON - 0 OFF
color of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism motor drive No Centeral technical data	type of switch	front mounted
design of handle knob-operated mechanism, black type of the driving mechanism motor drive No General technical data	design of the actuating element	selector switch
type of the driving mechanism motor drive No Ceneral technical data	color of the actuating element	black
General technical data number of poles 3 size of switch disconnector 5 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage	design of handle	knob-operated mechanism, black
number of poles 3 size of switch disconnector 5 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating frequency maximum 690 V surge voltage resistance rated value 8 kV operating requency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating requency rated value 690 V operating frequency rated value 600 Lz Protection class IP 60 Hz protection class IP on the front IP65 Operating for rated value of the current at AC in hot operating skift per pole Main circuit 36 W operational current 160 A • at AC-21 A at 240 V rated value 160 A • at AC-21 A at 400 V rated value 160 A •	type of the driving mechanism motor drive	No
size of switch disconnector 5 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 • at AC-23 A at 890 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage resistance rated value 690 V operating frequency rated value 690 V operating state per pole 1065 degree of protection Alse IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP 100	General technical data	
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• at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage resistance rated value 690 V surge voltage resistance rated value 8 kV operating voltage 6 00 V • at AC rated value 690 V operating voltage 6 00 V • at AC rated value 690 V operating frequency rated value 690 V • potection frequency rated value 690 V • maximum 50 Hz • maximum 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation 36 W operating state per pole 36 W Main circuit 36 W operational current 36 W • at AC-21 At 260 V rated value 160 A • at AC-21 At 400 V rated value 160 A • at AC-21 At 400 V rated value 160 A	mechanical service life (operating cycles) typical	100 000
operating frequency maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage rated value 690 V surge voltage resistance rated value 8 kV operating frequency rated value 690 V • at AC rated value 690 V operating frequency rated value 690 V • porting frequency rated value 690 V • minimum 50 Hz • maximum 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation generating state per pole Main circuit 36 W operating state per pole 160 A • at AC-21 at 240 V rated value 160 A • at AC-21 At 240 V rated value 160 A	electrical endurance (operating cycles)	
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• at AC rated value 690 V operating frequency rated value 50 Hz • minimum 60 Hz Protection class Protection class IP 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 Main circuit 36 W operational current 160 A • at AC-21 A at 240 V rated value 160 A • at AC-21 A at 400 V rated value 160 A	surge voltage resistance rated value	8 kV
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power loss [W] for rated value of the current at AC in hot operating state per pole 36 W Main circuit	protection class IP on the front	IP65
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• at AC-21 A at 400 V rated value 160 A	• at AC-21 at 690 V rated value	160 A
	• at AC-21 A at 240 V rated value	160 A
at AC-21 A at 440 V rated value 160 A	• at AC-21 A at 400 V rated value	160 A
	• at AC-21 A at 440 V rated value	160 A

• IDA:25 A strate OV mean value DAX • IDA:25 A strate OV mean value 75 kW • IDA:25 A strate OV mean value 75 kW • IDA:25 A strate OV mean value 75 kW • IDA:25 A strate OV mean value 75 kW • IDD:25 A strate OV mean value 75 kW		100 A
•• IA -C23 A at 340 V finds value75 kW•• IA -C23 A at 490 V finds value75 kW•• IA -C23 A at 490 V finds value75 kW•• IA -C23 A at 490 V finds value85 kW•• IA -C23 A at 490 V finds value85 kW•• IA -C23 A at 490 V finds value85 kW•• IA -C23 A at 490 V finds value85 kW•• IA -C23 At 900 V finds value85 kW•• IA -C23 At 900 V finds value87 kW•• IA -C23 At 900 V finds value97 kW•• IA -C23 At 900 V finds value90 V•• IA -C23 At 900 V finds value90 KA•• IA -C23	at AC-23 A at 400 V rated value	132 A
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Insulation voltage of the auxiliary switch rated value 500 V Suitability Suitability for use main switch Yes Suitability for use switch disconnector Yes suitability for use safety switch Yes suitability for use anale todicated set ENREGREV OFF switch Yes Product details Product teature can be locked into OFF position Product details Yes product details Product details Product details No • notor drive No • voltage trigger No number of connectable NC contacts for auxiliary contacts 3 number of connectable NC contacts for auxiliary contacts 3 number of connectable NO contacts for auxiliary contacts 4 @ mm Short circuit 3 conditional short-circuit current with line-side fuse 50 kA el 4500 V by gC fuse rated value 50 kA el 440 V for combination switch + gG fuse maximum 15 kA el 420 V for combination switch + gG fuse maximum 15 kA el 4800 V for combination switch + gG fuse maximum 16 kA el 4800 V for combination switch + gG fuse maximum 16 kA el 4800 V for combination switch + gG fuse maximum 16 kA el 4800 V for combination switch + gG fuse maximum 16 kA ef vo	operating voltage of auxiliary contacts at AC maximum	500 V
Suitability Yes suitability for use main switch Yes suitability for use safety switch No suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes product dealure can be locked into OFF position Yes suitability for use maintenance/repair switch Yes product dealure can be locked into OFF position Yes scccssories No product dealure can be locked into OFF position Yes scccssories No number of connectable NC contacts for auxiliary contacts 3 number of connectable NC contacts for auxiliary contacts 0 number of connectable NC contacts for auxiliary contacts 0 number of connectable NC contacts for auxiliary contacts 0 etachable maximum 3 number of connectable NC coles 4 product leaves of the bracket locks 4 stock clock 4 ord 400 V for combination switch + 9G fuse maximum 15 kA et 400 V for combination switch + 9G fuse maximum 15 kA et 400 V for combination switch	continuous current of the auxiliary contact rated value	10 A
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suitability for use settich disconnector Yes suitability for use safety switch No suitability for use naitenance/repair switch Yes product details	Suitability	
suitability for use EMERGENCY OFF switch No suitability for use maintenance/repair switch Yes product feature can be locked into OFF position Yes accessories Product extansion optional Yes • motor drive No No • wotor gringer No No • unotor drive No No • wotage trigger No No number of connectable NC contacts for auxiliary contacts 3 3 number of connectable CO contacts for auxiliary contacts 3 1 number of connectable CO contacts for auxiliary contacts 3 1 number of bracket locks maximum 3 1 1 number of connectable CO contacts for auxiliary contacts 0 1 1 number of bracket locks maximum 3 1 1 1 number of connectable CO contacts for auxiliary contacts 0 1 1 number of bracket locks maximum 3 1 1 1 number of connectable CO contacts for auxiliary contacts 1 1 1 1<	suitability for use main switch	Yes
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suitability for use maintenance/repair switch Yes Product datability for use maintenance/repair switch Yes product each be locked into OFF position Yes accessories Image: Comparison optional Image: Comparison optional	suitability for use EMERGENCY OFF switch	No
Product feature can be locked into OFF position Yes accessories Product extension optional No • motor drive No • voltage trigger No number of connectable NC contacts for auxiliary contacts 3 attachable maximum 3 number of connectable NC contacts for auxiliary contacts 3 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 3 hasp thickness of the bracket locks 4 6 mm Short circuit 50 kA lict-through current with line-side fuse 50 kA lict-through current with closed switch 4 • at 800 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for com	suitability for use safety switch	Yes
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accessories product extension optional No • motor drive No • ubage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum 3 number of connectable CO contacts for auxiliary contacts attachable maximum 3 number of connectable CO contacts for auxiliary contacts 3 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 3 hasp thickness of the bracket locks 4 6 mm Short circuit 50 kA let-through current with line-side fuse protection 50 kA e at 680 V by gG fuse rated value 50 kA el 440 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 600 V for combination switch + gG fuse maximum 185 kA2.s <	Product details	
product extension optional No • notor drive No • voltage trigger No number of connectable NC contacts for auxiliary contacts 3 attachable maximum 3 number of connectable NO contacts for auxiliary contacts 3 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 3 attachable maximum 3 number of bracket locks maximum 3 naps thickness of the bracket locks 4 6 mm Short circuit 50 kA let-through current with line-side fuse protection 4 6 mm • at 800 V by gG fuse rated value 50 kA let-through current with closed switch 4 6 mm • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG	product feature can be locked into OFF position	Yes
• motor drive No • voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum 3 number of connectable ND contacts for auxiliary contacts attachable maximum 3 number of connectable CO contacts for auxiliary contacts attachable maximum 3 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 3 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 3 hasp thickness of the bracket locks 4 6 mm Short circuit Conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA fet-through current with closed switch 5 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 880 V br combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 890 V for combination switch + gG fuse maximum 185 kA2.s • at 890 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch +	accessories	
• voltage trigger No 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 number of pracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm Short circuit Conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA let-through current with closed switch 6 • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 18 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • or short-circuit protectio	product extension optional	
number of connectable NC contacts for auxiliary contacts 3 attachable maximum 3 number of connectable NO contacts for auxiliary contacts 3 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 3 attachable maximum 3 number of bracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm Short circuit 50 kA conditional short-circuit current with line-side fuse protection 60 kA e at 690 V by gG fuse rated value 50 kA let-through current with closed switch 15 kA e at 690 V for combination switch + gG fuse maximum 15 kA e at 690 V for combination switch + gG fuse maximum 15 kA e at 240 V for combination switch + gG fuse maximum 185 kA2.s e at 240 V for combination switch + gG fuse maximum 185 kA2.s e at 690 V for combination switch + gG fuse maximum 185 kA2.s e at 690 V for combination switch + gG fuse maximum 185 kA2.s e at 690 V for combination switch + gG fuse maximum 185 kA2.s e at 690 V for combination switch + gG fuse maximum 185 kA2.s e at 690 V for combination switch + gG fuse maximu	motor drive	No
number of connectable NC contacts for auxillary contacts 3 attachable maximum 3 number of connectable NC contacts for auxillary contacts 3 attachable maximum 0 number of connectable CO contacts for auxillary contacts 0 attachable maximum 3 number of connectable CO contacts for auxillary contacts 0 attachable maximum 3 number of bracket locks maximum 4 6 mm Short circuit 50 kA conditional short-circuit current with line-side fuse protection 50 kA et 400 V by gG fuse rated value 50 kA et 440 V for combination switch + gG fuse maximum 15 kA et 440 V for combination switch + gG fuse maximum 15 kA et 440 V for combination switch + gG fuse maximum 185 kA2.s et 420 V for combination switch + gG fuse maximum 185 kA2.s et 420 V for combination switch + gG fuse maximum 185 kA2.s et 420 V for combination switch + gG fuse maximum 185 kA2.s et 420 V for combination switch + gG fuse maximum 185 kA2.s et 420 V for combination switch + gG fuse maximum 185 kA2.s et 400 V for combination switch + gG fuse maximum 185 kA2.s et 400 V for combination switch + gG fuse maximum 185 kA2.s et 400 V for combination switch + gG fuse ma	voltage trigger	No
attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 number of bracket locks maximum 3 hasp thickness of the bracket locks 46 mm Short circuit conditional short-circuit current with line-side fuse protection e at 690 V by gG fuse rated value 50 kA let-through current with closed switch 6 mm e at 240 V for combination switch + gG fuse maximum 15 kA e at 400 V for combination switch + gG fuse maximum 15 kA e at 400 V for combination switch + gG fuse maximum 15 kA e at 240 V for combination switch + gG fuse maximum 15 kA e at 240 V for combination switch + gG fuse maximum 15 kA e at 890 V for combination switch + gG fuse maximum 185 kA2.s e at 240 V for combination switch + gG fuse maximum 185 kA2.s e at 800 V for combination switch + gG fuse maximum 185 kA2.s e at 800 V for combination switch + gG fuse maximum 185 kA2.s design of the fuse link fuse gL/gG: 160 A of or short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current at AC according to UL 508/UL 60947.4-1 180 A active power [hp] at AC at 80V6 accor	number of connectable NC contacts for auxiliary contacts	3
attachable maximum 3 namber of bracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA let-through current with closed switch 50 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 690 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 490 V for combination switch + gG fuse maximum 185 kA2.s • at 490 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • of or 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 operating al current at AC according to UL 508/UL		3
hasp thickness of the bracket locks 4 6 mm Short circuit Conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA let-through current with closed switch 50 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 15 kA • at 690 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s design of the fuse link fuse gL/gG: 160 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 160 A operational current at AC according to UL 508/UL 60947-4-1 180 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V 60947-4-1 rated value 600 V 60947-4-1 rated value		0
Short circuit conditional short-circuit current with line-side fuse protection 50 kA iet-through current with closed switch 50 kA iet-through current with closed switch 15 kA i at 490 V for combination switch + gG fuse maximum 15 kA i at 690 V for combination switch + gG fuse maximum 15 kA i at 690 V for combination switch + gG fuse maximum 15 kA i at 690 V for combination switch + gG fuse maximum 15 kA i at 240 V for combination switch + gG fuse maximum 185 kA2.s i at 440 V for combination switch + gG fuse maximum 185 kA2.s i at 690 V for combination switch + gG fuse maximum 185 kA2.s i at 690 V for combination switch + gG fuse maximum 185 kA2.s i at 690 V for combination switch + gG fuse maximum 185 kA2.s i at 690 V for combination switch + gG fuse maximum 185 kA2.s design of the fuse lnk fuse gL/gG: 160 A i for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 180 A according UL 600 V operational current at AC according to UL 508/UL 600 V 60947-4	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse 50 kA e at 690 V by gG fuse rated value 50 kA let-through current with closed switch 50 kA e at 240 V for combination switch + gG fuse maximum 15 kA e at 490 V for combination switch + gG fuse maximum 15 kA e at 690 V for combination switch + gG fuse maximum 15 kA e at 690 V for combination switch + gG fuse maximum 15 kA e at 240 V for combination switch + gG fuse maximum 185 kA2.s e at 240 V for combination switch + gG fuse maximum 185 kA2.s e at 400 V for combination switch + gG fuse maximum 185 kA2.s e at 890 V for combination switch + gG fuse maximum 185 kA2.s e at 890 V for combination switch + gG fuse maximum 185 kA2.s e at 890 V for combination switch + gG fuse maximum 185 kA2.s e at 690 V for combination switch + gG fuse maximum 185 kA2.s design of the fuse link fuse gL/gG: 160 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 160 A according UL 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 r	hasp thickness of the bracket locks	4 6 mm
protection50 kA• at 690 V by gG fuse rated value50 kAlet-through current with closed switch50 kA• at 240 V for combination switch + gG fuse maximum15 kA• at 440 V for combination switch + gG fuse maximum15 kA• at 690 V for combination switch + gG fuse maximum15 kA• at 240 V for combination switch + gG fuse maximum15 kA• at 240 V for combination switch + gG fuse maximum185 kA2.s• at 240 V for combination switch + gG fuse maximum185 kA2.s• at 240 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• at 690 V combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.s• of rs short-circuit protection of the main circuit requiredfuse gL/gG: 160 A• for short-circuit protection of the auxiliary switch required600 A• according UL<	Short circuit	
let-through current with closed switch 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 15 kA • at 690 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • design of the fuse link • • for short-circuit protection of the main circuit required fuse gL/gG: 100 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current at AC according to UL 508/UL 60947-4-1 180 A coperating voltage at AC at 50/60 Hz according		
• at 240 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 15 kA • at 690 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • 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 operational current of upstream fuse rated value 160 A according UL 00 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 50 60947-4-1 rated value 50	• at 690 V by gG fuse rated value	50 kA
• at 240 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 15 kA • at 690 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 15 kA • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • 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 operational current of upstream fuse rated value 160 A according UL 00 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 50 60947-4-1 rated value 50		
• at 440 V for combination switch + gG fuse maximum permissible15 kA• at 690 V for combination switch + gG fuse maximum permissible15 kA I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the maximum • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 160 A • fuse gL/gG: 10 A • operational current of upstream fuse rated value • operational current at AC according to UL 508/UL 60947-4-1 • rated value180 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Voperating voltage at AC at 480 V according to UL 508/UL 60947-4-1 rated value75active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value50	-	15 kA
• at 690 V for combination switch + gG fuse maximum permissible15 kAI2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 160 A • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 A • operational current of upstream fuse rated value • according UL • operational current at AC according to UL 508/UL 60947-4-1 • 180 A180 Aoperating 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 value600 Vactive power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value50	C C	15 kA
permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s design of the fuse link its kA2.s • 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 operational current of upstream fuse rated value 160 A according UL 0perational current at AC according to UL 508/UL 60947-4-1 operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 180 A 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	-	15 kA
• at 240 V for combination switch + gG fuse maximum 185 kA2.s • at 440 V for combination switch + gG fuse maximum 185 kA2.s • at 690 V for combination switch + gG fuse maximum 185 kA2.s design of the fuse link 185 kA2.s • 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 operational current of upstream fuse rated value 160 A according UL 000 V operational current at AC according to UL 508/UL 60947-4-1 180 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V 60947-4-1 rated value 75 active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 50		
• at 440 V for combination switch + gG fuse maximum185 kA2.s• at 690 V for combination switch + gG fuse maximum185 kA2.sdesign of the fuse link185 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 160 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value160 Aaccording UL180 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value180 Aactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value75active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value50	I2t value with closed switch	
• at 690 V for combination switch + gG fuse maximum185 kA2.sdesign of the fuse linkfuse gL/gG: 160 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value160 Aaccording UL60947-4-1operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1800 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947.4-17560947-4-1 rated value50	 at 240 V for combination switch + gG fuse maximum 	185 kA2.s
design of the fuse link fuse gL/gG: 160 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 160 A according UL 180 A operational current at AC according to UL 508/UL 60947-4-1 180 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 180 A active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 75 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 50	 at 440 V for combination switch + gG fuse maximum 	185 kA2.s
 for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 160 A fuse gL/gG: 10 A operational current of upstream fuse rated value 160 A 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 50 	 at 690 V for combination switch + gG fuse maximum 	185 kA2.s
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 160 A according UL operational current at AC according to UL 508/UL 60947-4-1 180 A operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 600 V 60947-4-1 rated value 600 V 50 active power [hp] at AC at 480 V according to UL 508/UL 75 active power [hp] at AC at 600 V according to UL 508/UL 50	design of the fuse link	
operational current of upstream fuse rated value160 Aaccording UL160 Aoperational current at AC according to UL 508/UL 60947-4-1180 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 value75active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value50	 for short-circuit protection of the main circuit required 	fuse gL/gG: 160 A
according UL operational current at AC according to UL 508/UL 60947-4-1 180 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V active power [hp] at AC at 480 V according to UL 508/UL 75 active power [hp] at AC at 600 V according to UL 508/UL 50 active power [hp] at AC at 600 V according to UL 508/UL 50	 for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1 180 A rated value 600 ∨ operating voltage at AC at 50/60 Hz according to UL 508/UL 600 ∨ 60947-4-1 rated value 75 active power [hp] at AC at 480 V according to UL 508/UL 75 active power [hp] at AC at 600 V according to UL 508/UL 50 60947-4-1 rated value 50	operational current of upstream fuse rated value	160 A
rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 75 active power [hp] at AC at 480 V according to UL 508/UL 75 active power [hp] at AC at 600 V according to UL 508/UL 50 active power [hp] at AC at 600 V according to UL 508/UL 50	according UL	
60947-4-1 rated value 75 active power [hp] at AC at 480 V according to UL 508/UL 75 60947-4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 50		180 A
60947-4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 50 60947-4-1 rated value 50		600 V
60947-4-1 rated value		75
short-time withstand current (SCCR) at 600 V according to 10 kA		50
	short-time withstand current (SCCR) at 600 V according to	10 kA

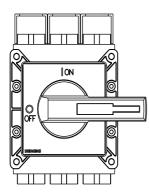
UL 508/UL 60947-4-1	_
continuous current of upstream fuse according to UL rated value	200 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	1 4/0
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16185mm²)
 finely stranded with core end processing 	1x (16150mm²)
• stranded	1x (16185mm²)
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
Mechanical Design	
height	169 mm
width	112 mm
depth	94 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
front mounting with central attachment	No
rail mounting net weight	No 2 089 g
Environmental conditions	2 009 y
ambient temperature during operation	
minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Approvals Certificates	
General Product Approval	
CCC EG-Konf.	
other Environment	
Miscellaneous Confirmation Environmenta	I Con- Environmental Con-
firmation	

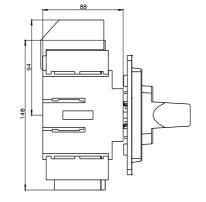
Further information
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,...)
http://www.siemens.com/lowvoltage/catalogs

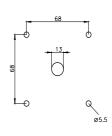
Industry Mall (Online ordering system)

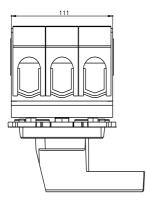
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2305-0TK11 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2305-0TK11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2305-0TK11 CAx-Online-Generator http://www.siemens.com/cax Tender specifications

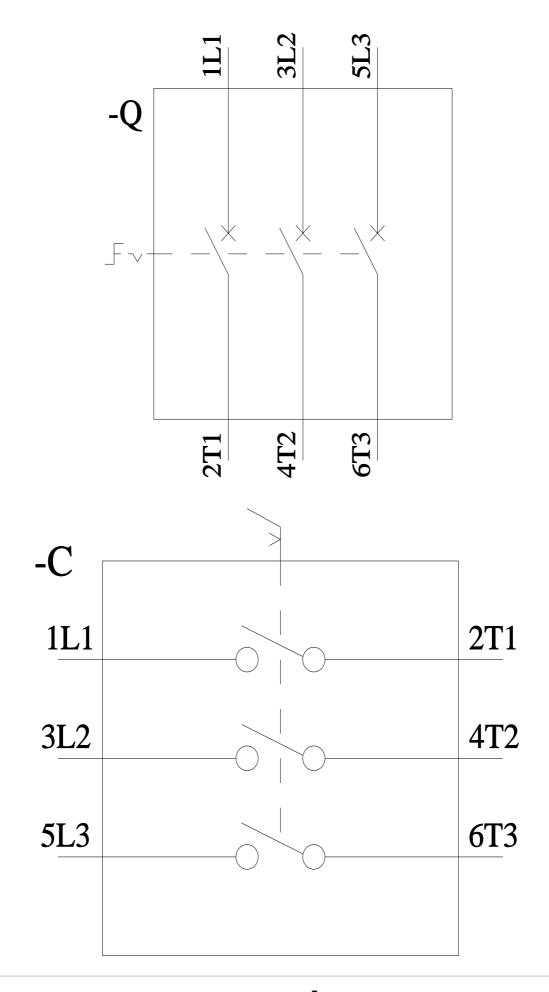
http://www.siemens.com/specifications











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12/25/2024