SIEMENS

Data sheet

3LD2222-0TK11



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 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 10N - 0 OFF type of switch 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 Control the schular disconnector 2 number of poles 3 size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6000 operating frequency maximum 50 1/h degree of pollution 3 Voltage	Model		
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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	
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power loss [W] for rated value of the current at AC in hot operating state per pole 1.8 W Main circuit	protection class IP on the front	IP65	
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	• at AC-21 A at 240 V rated value	32 A	
• at AC-21 A at 440 V rated value 32 A	• at AC-21 A at 400 V rated value	32 A	
	• at AC-21 A at 440 V rated value	32 A	

• et AC-23 At 140 V rind value 2 A • et AC-23 At 240 V rind value 6 W • et AC-23 At 240 V rind value 15 KV • et AC-23 At 240 V rind value 15 KV • et AC-23 At 440 V rind value 15 KV • et AC-23 At 440 V rind value 15 KV • et AC-23 At 440 V rind value 55 KV • et AC-33 at 240 V rind value 95 KV • AC-34 240 V rind value 96 V • AC-34 240 V rind value 90 V • Contacts for auxiliny contact at 40 value 90 V • Contacts for auxiliny contact at 40 value 90 V • Suitability for use maintenance/repair value Yes • Suitability for use maintenance/repair value Yes • AC-44 54 At 240 V rind value 9 • AC-44 54 At 240 V rind value 9 • AC-44 54 At 240 V rind value 10 <th>a at AC 22 A at 400 V rated value</th> <th>22 A</th>	a at AC 22 A at 400 V rated value	22 A
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• voltage triggerNonumber of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable NO contacts for auxiliary contacts attachable maximum3number of connectable CO contacts for auxiliary contacts attachable maximum0number of bracket locks maximum2hasp thickness of the bracket locks4 6 mmShort circuit50 kAconditional short-circuit current with line-side fuse protection50 kAi at 690 V by gG fuse rated value50 kAi at 440 V for combination switch + gG fuse maximum 	product extension optional	
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attachable maximum Image: of connectable NO contacts for auxiliary contacts 3 number of connectable CO contacts for auxiliary contacts 0 0 number of bracket locks maximum 2 0 hasp thickness of the bracket locks 4 6 mm 0 Short circuit 2 0 0 conditional short-circuit current with line-side fuse 5 0 0 e at 680 V by gG fuse rated value 50 kA 0 0 e at 240 V for combination switch + gG fuse maximum 4.5 kA 0 0 e at 240 V for combination switch + gG fuse maximum 5 kA 0 0 e at 240 V for combination switch + gG fuse maximum 5 kA 0 0 e at 240 V for combination switch + gG fuse maximum 9 kA2.s 0 0 0 e at 240 V for combination switch + gG fuse maximum 9 kA2.s 0 0 0 0 e at 240 V for combination switch + gG fuse maximum 9 kA2.s 0 0 0 0 0 0 0 0 0 0 0 0 0	voltage trigger	No
attachable maximum Image of connectable CO contacts for auxiliary contacts attachable maximum 0 number of bracket locks maximum 2 hasp thickness of the bracket locks 46 mm Short circuit Conditional short-circuit current with line-side fuse protection or at 680 V by gG fuse rated value 50 kA let-through current with closed switch - • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 400 V for combination switch + gG fuse maximum 5 kA • at 400 V for combination switch + gG fuse maximum 5 kA • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 680 V for combination switch + gG fuse maximum 9 kA2.s • at 680 V for combination switch + gG fuse maximum 9 kA2.s • at 680 V for combination switch + gG fuse maximum 9 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 40 A • for short-circuit protection of the maxiliary switch required fuse gL/gG: 40 A • for short-circuit protection of the maxiliary switch required <		3
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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 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s design of the fuse link fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 40 A according UL 600 V operating voltage at AC at 50/60 Hz according to UL 508/U	number of bracket locks maximum	2
conditional short-circuit current with line-side fuse protection50 kAlet-through current with closed switch50 kAet 240 V for combination switch + gG fuse maximum4.5 kA• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kApermissible5 kAIzt value with closed switch9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link6 fuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value40 Aaccording UL00 Voperational current at AC according to UL 508/UL 60947-4-1 rated value32 Aactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20		4 6 mm
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let-through current with closed switch• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current at AC according to UL 508/UL 60947-4-132 Aaccording UL600 V• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-120active power [hp] at AC at 480 V according to UL 508/UL 60947-4-120active power [hp] at AC at 480 V according to UL 508/UL 60947-4-12060947-4-1 rated value20		
• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current at AC according to UL 508/UL 60947-4-132 A• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 V• active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20• active power [hp] at AC at 600 V according to UL	• at 690 V by gG fuse rated value	50 kA
• at 440 V for combination switch + gG fuse maximum permissible4.5 kA• at 690 V for combination switch + gG fuse maximum permissible5 kA/2t value with closed switch9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• design of the fuse link10 kas gL/gG: 40 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value40 Aaccording UL00 V• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 ated value32 Aactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value20	let-through current with closed switch	
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permissibleI2t value with closed switch• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• design of the fuse link• fuse gL/gG: 40 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value40 Aaccording ULoperational 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 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value20	-	4.5 kA
 at 240 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 bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for combination switch + gG fuse maximum bat 690 V for contract fuse fuse fuse fuse gL/gG 40 A bat 600 V bat 600 V	permissible	5 kA
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• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse linkfuse gL/gG: 40 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch required40 Aaccording UL32 Aoperational current at AC according to UL 508/UL 60947-4-132 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL600 V60947-4-1 rated value20active power [hp] at AC at 480 V according to UL 508/UL2060947-4-1 rated value20	 at 240 V for combination switch + gG fuse maximum 	9 kA2.s
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 for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 40 A according UL operational current at AC according to UL 508/UL 60947-4-1 frated value operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 600 V 600 V active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL 20 active power [hp] at AC at 600 V according to UL 508/UL 20 	 at 690 V for combination switch + gG fuse maximum 	9 kA2.s
 for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 40 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 600 V 600 V 600 V 600 V active power [hp] at AC at 480 V according to UL 508/UL 609/UL 508/UL 609/UL 508/UL 609/UL 508/UL 609/UL 508/UL 600/UL 508/UL 60/UL 508/UL 60/UL 508/UL 60/UL 500/UL 60/UL 508/UL 60/UL 500/UL 500/UL 60/UL 500/UL 60/UL 500/UL 60/UL 500/UL 60/UL 500/UL 60/UL 500/UL 500/UL 500/UL 60/UL 500/UL 500/	design of the fuse link	
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according UL operational current at AC according to UL 508/UL 60947-4-1 32 A 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 20 active power [hp] at AC at 600 V according to UL 508/UL 20 active power [hp] at AC at 600 V according to UL 508/UL 20	 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 32 A rated value 32 A 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 20 active power [hp] at AC at 600 V according to UL 508/UL 20 active power [hp] at AC at 600 V according to UL 508/UL 20		40 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 20 active power [hp] at AC at 480 V according to UL 508/UL 20 active power [hp] at AC at 600 V according to UL 508/UL 20 active power [hp] at AC at 600 V according to UL 508/UL 20	according UL	
60947-4-1 rated value 20 active power [hp] at AC at 480 V according to UL 508/UL 20 60947-4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 20 60947-4-1 rated value 20		32 A
60947-4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 20 60947-4-1 rated value 20	60947-4-1 rated value	600 V
60947-4-1 rated value	60947-4-1 rated value	20
short-time withstand current (SCCR) at 600 V according to 5 kA		20
	short-time withstand current (SCCR) at 600 V according to	5 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated	80 A
value	
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
	8
•	14
type of connectable conductor cross-sections for copper	
conductor	
• solid	1x (1,516mm²)
 finely stranded with core end processing 	1x (1,510mm²)
• stranded	1x (1,516mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 finely stranded with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	71 mm
width	49 mm
depth	85.5 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
Environmental conditions	171 g
 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	
	Miscellaneous
CCC EG-Konf.	
	-
General Product Ap- Marine / Shipping	other
proval	
	Confirmation Miscellaneous
DNV LRS	PRS
For incoment	
Environment	
Environmental Con- Environmental Con-	

Information on the packaging https://support.industry.siemens. <u> com/cs/ww/en/view/109813875</u>

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=3LD2222-0TK11

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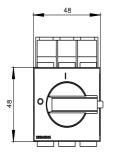
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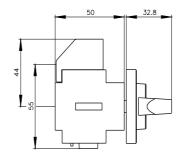
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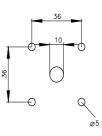
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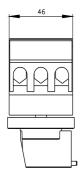
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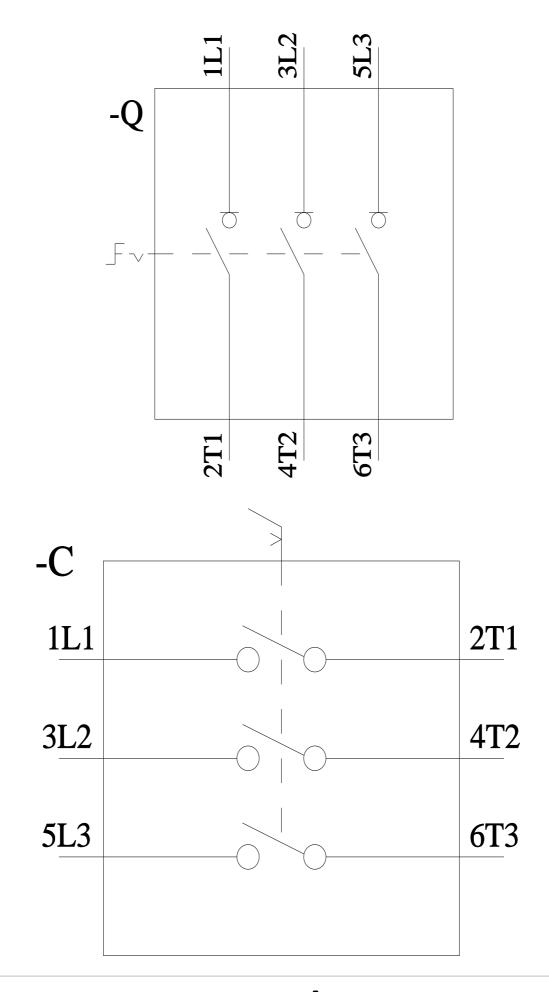
http://www.siemens.com/specifications











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