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, knoboperated mechanism, black, 4-hole mounting of the handle

product brand name product designation design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of the actuating element design of the actuating element design of handle knob-operated mechanism, black type of the driving mechanism / motor drive Ceneral technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A/ at 690 V operating frequency / maximum degree of pollution Voltage insulation voltage / rated value operating requency / rated value • minimum • maximum 50 Hz • at AC / rated value • minimum • maximum 50 Hz • groetcion class IP degree of protection NEMA rating protection class IP / on the front Dissipation Dissipation Dissipation operational current / rated value • at 40 °C / rated value	Model	Model		
design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of the actuating element design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating voltage • at AC / rated value • minimum • maximum Frotection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current • at 40 °C / rated value • at 40 °C / rated value • at 40 °C / rated value • operational current • at 40 °C / rated value • at 40 °C / rated value • at 40 °C / rated value • operational current • at 40 °C / rated value • 32 A	product brand name	SENTRON		
display version / for switch position indicator manual operation type of switch design of the actuating element color / of the actuating element black design of handle type of the driving mechanism / motor drive knob-operated mechanism, black lype of the driving mechanism / motor drive No General technical data number of poles size of switch disconnector general issue of switch disconnector at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating virequency / rated value • at AC / rated value • minimum • maximum Frotection class IP protection class IP / on the front Dissipation power loss [W] / for rated value operating state / per pole Current operational current / rated value • at 40 °C / rated value • at 40 °C / rated value • operational current / rated value	product designation	3LD Switch disconnector		
operation type of switch design of the actuating element color / of the actuating element design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating voltage at AC / rated value minimum minimu	design of the product	Main switch		
design of the actuating element black color / of the driving mechanism / motor drive No	. ,	1 ON - 0 OFF		
color / of the actuating element design of handle knob-operated mechanism, black knob-operate	type of switch	front mounted		
design of handle type of the driving mechanism / motor drive Senoral technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution Surge voltage insulation voltage / rated value operating voltage • at AC / rated value • minimum • maximum • maximum • maximum Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current • at 40 °C / rated value operation current / rated value operating state / value of the current / at AC / in hot operating state / per pole Current • at 40 °C / rated value operation clarent / rated value operational current • at 40 °C / rated value operational current **Current **One **Current **One	design of the actuating element	selector switch		
type of the driving mechanism / motor drive General technical data number of poles 3 size of switch disconnector 2 mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating voltage resistance / rated value operating voltage resistance / rated value • at AC / rated value • minimum • at AC / rated value • minimum • maximum Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value 32 A operational current • at 40 °C / rated value 33 A 34 Size of switch disconnector 25 ON0 600 6000 6000 6000 6000 6000 6000 60	color / of the actuating element	black		
General technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum for the degree of pollution Voltage insulation voltage / rated value operating voltage • at AC / rated value operating frequency / rated value • at AC / rated value • minimum • maximum for HP65 degree of protection NEMA rating protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current • at 40 °C / rated value • at 40 °C / rated value 32 A operational current • at 40 °C / rated value	design of handle	knob-operated mechanism, black		
number of poles size of switch disconnector 2 mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 7 7 7 7 8 8 8 8 8 8 8 8 8	type of the driving mechanism / motor drive	No		
size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution Voltage insulation voltage / rated value surge voltage resistance / rated value • at AC / rated value • at AC / rated value • minimum • maximum 50 Hz • maximum 50 Hz • maximum 50 Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current • at 40 °C / rated value 32 A operational current • at 40 °C / rated value 32 A	General technical data			
mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value operating voltage • at AC / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 50 Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value 32 A operational current • at 40 °C / rated value 32 A	number of poles	3		
electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating voltage • at AC / rated value operating frequency / rated value operating frequency / rated value operating frequency / rated value • minimum • maximum 50 Hz o Hz emaximum foo Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value • at 40 °C / rated value 32 A	size of switch disconnector	2		
at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage at AC / rated value operating frequency / rated value foo Hz Protection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current / rated value operational current ope	mechanical service life (switching cycles) / typical	100 000		
operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value operation class IP Protection class protection class IP degree of protection NEMA rating 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 Current operational current / rated value operational current / rated value operational current op	electrical endurance (switching cycles)			
degree of pollution Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value ominimum omaximum omaximu	• at AC-23 A / at 690 V	6 000		
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 Hz 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 Current operational current / rated value 32 A operational current • at 40 °C / rated value 32 A	operating frequency / maximum	50 1/h		
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 Hz 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 Current operational current / rated value 32 A operational current • at 40 °C / rated value 32 A	degree of pollution	3		
surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 50 Hz • maximum Frotection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 6 kV 6 kV 690 V 690 V 690 V 1965 HP65 1965 1P65 1P65 1 , 3R, 4X, 12 2 , 3R, 4X, 12 2 , 3R, 4X, 12 3 , 4R, 4X, 12 4 , 4R, 4X, 4X,	Voltage			
operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 60 Hz Protection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value 32 A operational current • at 40 °C / rated value 32 A	insulation voltage / rated value	690 V		
at AC / rated value operating frequency / rated value ominimum omaximum foo Hz Protection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value at 40 °C / rated value 32 A	surge voltage resistance / rated value	6 kV		
operating frequency / rated value	operating voltage			
 minimum maximum 60 Hz Protection class protection class IP degree of protection NEMA rating 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 Current operational current / rated value operational current at 40 °C / rated value 32 A 32 A 32 A 32 A 32 A 32 A 33 A 34 OPERATIONAL STATEMENT OF TABLES AND TABLES	at AC / rated value	690 V		
● maximum Protection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current ● at 40 °C / rated value 60 Hz IP65 1, 3R, 4X, 12 IP65 1.8 W 1.8 W 32 A 32 A	operating frequency / rated value			
protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 1P65 1, 3R, 4X, 12 1, 3	• minimum	50 Hz		
protection class IP 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 Current operational current / rated value operational current • at 40 °C / rated value 32 A	maximum	60 Hz		
degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 1, 3R, 4X, 12 IP65 1.8 W 1.8 W 32 A	Protection class			
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power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 32 A	degree of protection NEMA rating	1, 3R, 4X, 12		
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 32 A	protection class IP / on the front	IP65		
hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 32 A	Dissipation			
operational current / rated value 32 A operational current • at 40 °C / rated value 32 A		1.8 W		
operational current • at 40 °C / rated value 32 A	Current			
• at 40 °C / rated value 32 A	operational current / rated value	32 A		
	operational current			
• at 45 °C / rated value 32 A	 at 40 °C / rated value 	32 A		
	• at 45 °C / rated value	32 A		

at 50 °C / rated value	32 A
	32 A
at 55 °C / rated value at 6C / rated value	32 A
at AC / rated value Main significant	32 A
Main circuit	
operational current	00 A
• at AC-21 / at 690 V / rated value	32 A
at AC-21 A / at 240 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
at AC-23 A / at 400 V / rated value	22 A
operating power	O LW
• at AC-23 A / at 240 V / rated value	6 kW
• at AC-23 A / at 400 V / rated value	12 kW
• at AC-23 A / at 440 V / rated value	11.5 kW
• at AC-23 A / at 690 V / rated value	12 kW
• at AC-3 / at 240 V / rated value	5.5 kW
at AC-3 / at 400 V / rated value	10 kW
at AC-3 / at 690 V / rated value	9.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
operating voltage / of auxiliary 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	V.
• main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	No
• safety switch	Yes
maintenance/repair switch	Yes
Product details	V
product feature / can be locked into OFF position	Yes
accessories	
product extension / optional	
motor drive	No
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 bracket locks / maximum	2
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	
 at 240 V / for combination switch + gG fuse / maximum 	4.5 kA
 at 440 V / for combination switch + gG fuse / maximum 	4.5 kA
at 690 V / for combination switch + gG fuse / maximum permissible	5 kA
I2t value / with closed switch / at 240 V / for combination switch + gG fuse / maximum	9 kA2.s
I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	9 kA2.s

I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	9 kA2.s
design of the fuse link	
for short-circuit protection of the main circuit / 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 / rated value	32 A
operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value	600 V
active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value	20
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	20
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA
continuous current / of upstream fuse / according to UL / rated value	80 A
type of fuse / according to UL	RK5
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	8
• minimum	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 2,5mm²), 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	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	No
net weight	171 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature / during storage	
• minimum	-25 °C
maximum	55 °C
General Product Approval	





Confirmation





Miscellaneous

General Product Approval

Declaration of Conformity

Test Certificates

Marine / Shipping







Special Test Certificate





Marine / Shipping

other



Environmental Confirmations **Miscellaneous**

Further information

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2222-0TK11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2222-0TK11

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2222-0TK11

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











