SIEMENS

Data sheet 3LD2222-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, lu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, front-mounted, knob-operated mechanism, red/yellow, 4-hole mounting of the handle

product brand name design of the product design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive Concrat technical data number of poles size of switch disconnector mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / 6 000 operating frequency / maximum degree of pollution Voltago insulation voltage / rated value operating voltage • at AC / 2 rated value • minimum • at C / rated value • minimum • at C / rated value • minimum 50 Hz • 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 45 °C / rated value	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 the actuating element design of handle driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of opoles size of switch disconnector perchanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A 1 690 V operating frequency / maximum degree of pollution 3 Voitage insulation voltage / rated value operating frequency / rated value operating frequency / rated value • minimum • maximum Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation Dissipation vertical value of the current / at AC / in hot operating state / per pole Curront operation at 40 °C / rated value • at 40 °C / rated value operating state / per pole Curront operational current / rated value • 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 tred design of handle type of the driving mechanism / motor drive type of the driving mechanism / motor drive No General technical data number of poles size of switch disconnector general indication (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / 6 000 operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating frequency / rated value • at AC / rated value • minimum • maximum foo Hz Protection class IP protection class IP / on the front Dissipation power loss [W] / for rated value operational current / rated value	product designation	3LD Switch disconnector		
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design of handle type of the driving mechanism / motor drive No General technical data 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 Voltage insulation voltage / rated value surge voltage resistance / rated value operating frequency / rated value • at AC / rated value • at AC / rated value • at AC / rated value • be operating frequency / rated value • find iminum 50 Hz • maximum 60 Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation Dissipation Dissipation Operating late / per pole Current operational current / rated value • at 40 °C / rated value 32 A operational current / rated value • at 40 °C / rated value 32 A	design of the actuating element	selector switch		
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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 Voltage insulation voltage / rated value operating voltage • at AC / rated value • at AC / rated value • minimum • maximum 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 • at 40 °C / rated value 9 at 40 °C / rated value of the current • at 40 °C / rated value 9 at 40 °C / rated value 100 000 8 00 V 6 000 6 00 V 6 80 V 6 80 V 6 80 V 6 90 V 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	design of handle	knob-operated mechanism, red/yellow		
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 50 1/h degree of pollution 3 Voltage insulation voltage / rated value surge voltage resistance / 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	type of the driving mechanism / motor drive	No		
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operating frequency / rated value • 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 • at 40 °C / rated value 32 A	operating voltage			
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hot operating state / per pole Current operational current / rated value operational current 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		

4 50 00 4 4 3 3	
• at 50 °C / rated value	32 A
• at 55 °C / rated value	32 A
at AC / rated value	32 A
Main circuit	
operational current	
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	C LAM
 at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value 	6 kW
• at AC-23 A / at 440 V / rated value	12 kW 11.5 kW
• at AC-23 A / at 440 V / rated value	12 kW
at AC-3 / at 240 V / rated value 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 400 V / rated value	9.5 kW
Auxiliary circuit	
	0
number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
	500 V
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value	10 A
insulation voltage / of the auxiliary switch / rated value	500 V
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
safety switch	Yes
maintenance/repair switch	Yes
Product details	
product details 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	3
/ attachable / maximum	
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	178 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



Miscellaneous

Environmental Confirmations

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=3LD2222-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2222-0TK13

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2222-0TK13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications











