SIEMENS

Data sheet 3LD3250-0TL11

Load disconnector 3LD3, Iu 32 A Main switch 3-pole + N Rated operating capacity for AC-23 A at 400V 11.5kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive black 48x48 mm

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	Main switch
display version / for switch position indicator manual operation	1 ON - 0 OFF
design of the actuating element	selector switch
design of handle	knob-operated mechanism, black
type of the driving mechanism / motor drive	No
General technical data	
number of poles	4
number of poles / note	4
type of device	fixed mounting
type of switch	front mounted
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
● at AC-23 A / at 690 V	6 000
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	9 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	9 kA2.s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	6 kV
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP / on the front	IP65
Dissipation	
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	1.8 W
● per conductor / typical	2 W
Current	
operational current	
● at 40 °C / rated value	32 A
● at 45 °C / rated value	32 A
● at 50 °C / rated value	32 A
● at 55 °C / rated value	32 A

● at AC / rated value	32 A
● at AC-23 A / at 400 V / rated value	22 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 440 V / rated value	32 A
operational current / of upstream fuse / rated value	32 A
let-through current / with closed switch	
● at 440 V / for combination switch + gG fuse / maximum	4.5 kA
● at 690 V / for combination switch + gG fuse / maximum permissible	5 kA
Main circuit	
operating power	
● 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
operational current / rated value	32 A
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	
● main switch	Yes
● switch disconnector	Yes
● EMERGENCY OFF switch	No
● safety switch	Yes
● maintenance/repair switch	Yes
Appearance	
color / of the actuating element	black
Product details	
product feature	
● can be locked into OFF position	Yes
number of bracket locks / maximum	2
hasp thickness / of the bracket locks / minimum	4 mm
hasp thickness / of the bracket locks / maximum	6 mm
special product feature	Can be locked in zero position
product extension / optional	
● motor drive	No
● voltage trigger	No
Short circuit	
conditional short-circuit current / with line-side fuse protection	
● at 440 V / by gG fuse / rated value	10 kA
● at 690 V / by gG fuse / rated value	6 kA
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	50 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	4
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
● maximum	6
● minimum	14
type of connectable conductor cross-sections / for copper conductor	
● solid	1x (2.5 to 16 mm²)
● finely stranded / with core end processing	1x (2.5...16 mm²)
● stranded	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
● solid	2x (0.75 ... 2.5 mm²), 1x 4 mm²
● finely stranded / with core end processing	2x (0.75 ... 1.5 mm²), 1x 2.5 mm²
● stranded	2x (0.75 ... 2.5 mm²), 1x 4 mm²
type of electrical connection	
● for main current circuit	box terminal
● for auxiliary contacts	Box terminals
Requirements	
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
Mechanical Design	
height	60 mm
width	49 mm
depth	114 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
● 4-hole front mounting	No
● front mounting with central attachment	Yes
● rail mounting	No
net weight	200 g
Environmental conditions	
ambient temperature / during operation	
● minimum	-25 °C
● maximum	55 °C
ambient temperature / during storage / minimum	-25 °C

General Product Approval	Declaration of Conformity

Confirmation


other

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=3LD3250-0TL11
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3LD3250-0TL11
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3250-0TL11
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications