SIEMENS

Data sheet 3LD3150-0TK11



Load disconnector 3LD3, lu 25 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 9.0kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive black 48x48 mm

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 the actuating element design of the actuating element design of handle knob-operated mechanism, black type of the driving mechanism / motor drive Ceneral tochincal data number of poles number of poles / note nechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / 18 690 V operating frequency / maximum degree of pollution Voltago Insulation voltage / rated value operating requency / rated value • minimum • at AC / 1 rated value • minimum 50 Hz emaximum 60 Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation Dissipation Dissipation • at 40 °C / rated value operating state / per pole Current operational current / rated value • at 40 °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 black design of handle knob-operated mechanism, black type of the driving mechanism / motor drive Conoral technical data number of poles 3 number of poles / note mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) 100 000 electric	product brand name	SENTRON		
display version / for switch position indicator manual operation type of switch design of the actuating element selector switch black design of the actuating element black design of handle type of the driving mechanism / motor drive No General technical data number of poles / note mechanical service life (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 vergency / rated value • at AC / rated value • minimum • maximum fooltz 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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number of poles number of poles / note mechanical service life (switching cycles) / typical	design of handle	knob-operated mechanism, black		
number of poles 3 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) • at AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating voltage • at AC / rated value 690 V operating frequency / rated value 690 V operating requency / rated value 690 V operating voltage • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 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 25 A operational current / rated value 25 A operational current • at 40 °C / rated value	type of the driving mechanism / motor drive	No		
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operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value • minimum • 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 50 Hz 690 V 690	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 ominimu	• at AC-23 A / at 690 V	6 000		
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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 25 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 25 A	protection class IP / on the front	IP65		
hot operating state / per pole Current operational current / rated value operational current operational current • at 40 °C / rated value 25 A	Dissipation			
operational current / rated value 25 A operational current • at 40 °C / rated value 25 A		1.1 W		
operational current • at 40 °C / rated value 25 A	Current			
• at 40 °C / rated value 25 A	operational current / rated value	25 A		
	operational current			
• at 45 °C / rated value 25 A	 at 40 °C / rated value 	25 A		
	• at 45 °C / rated value	25 A		

• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A
at AC / rated value	25 A
Main circuit	
operational current	
at AC-21 / at 690 V / rated value	25 A
at AC-21 A / at 240 V / rated value	25 A
at AC-21 A / at 400 V / rated value	25 A
at AC-21 A / at 440 V / rated value	25 A
at AC-23 A / at 400 V / rated value	20 A
operating power	
at AC-23 A / at 240 V / rated value	4 kW
at AC-23 A / at 400 V / rated value	10 kW
at AC-23 A / at 440 V / rated value	9 kW
at AC-23 A / at 690 V / rated value	9 kW
at AC-3 / at 240 V / rated value	4 kW
at AC-3 / at 400 V / rated value	8 kW
at AC-3 / at 690 V / rated value	7.5 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	
main switch	Yes
 switch disconnector 	Yes
 EMERGENCY OFF switch 	No
 safety switch 	Yes
 maintenance/repair switch 	Yes
maintenance/repair switch Product details	Yes
<u> </u>	Yes Can be locked in zero position
Product details	
Product details special product feature	Can be locked in zero position
Product details special product feature product feature / can be locked into OFF position	Can be locked in zero position
Product details special product feature product feature / can be locked into OFF position accessories	Can be locked in zero position
Product details special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive	Can be locked in zero position Yes
Product details special product feature product feature / can be locked into OFF position accessories product extension / optional	Can be locked in zero position Yes No
Product details special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts	Can be locked in zero position Yes No No
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product details special product feature product feature / can be locked into OFF position accessories product extension / optional	Can be locked in zero position Yes No No 2 4 0 2 4 6 mm
product details special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum	Can be locked in zero position Yes No No No 2 4 0 2 4 6 mm
product details special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 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 permissible	Can be locked in zero position Yes No No No 2 4 0 2 4 6 mm

maximum				
at 440 V / for combination switch + gG fuse / maximum	4 kA2.s			
at 690 V / for combination switch + gG fuse / maximum	4 kA2.s			
design of the fuse link				
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 25 A			
for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A			
operational current / of upstream fuse / rated value	25 A			
according UL				
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	25 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	10			
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	15			
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			
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 stranded 	1x (2.516 mm²)			
type of connectable conductor cross-sections / for	1x (2.5 to 16 mm²)			
auxiliary contacts • solid	2v (0.75 2.5 mm²) 1v 4 m	m²		
 finely stranded / with core end processing 	2x (0.75 2.5 mm²), 1x 4 mm²			
stranded stranded	2x (0.75 1.5 mm²), 1x 2.5 mm² 2x (0.75 2.5 mm²), 1x 4 mm²			
type of electrical connection	28 (0.73 2.3 11111), 18 4 111			
for main current circuit	box terminal			
for auxiliary contacts	Box terminals			
Mechanical Design				
height	60 mm			
width	36 mm			
depth	114 mm			
type of device	fixed mounting			
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 ambient temperature / during storage	55 °C			
ambient temperature / during storage	25 °C			
minimum maximum	-25 °C 55 °C			
	33 0	Doclaration of Conformity		
General Product Approval		Declaration of Conformity		











other

Miscellaneous

Further information

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

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3150-0TK11}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3150-0TK11

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3150-0TK11

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications









