SIEMENS

Data sheet 3LD3150-0TL11



Load disconnector 3LD3, lu 25 A Main switch 3-pole + N 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 display version / for switch position indicator manual operation type of switch design of the actuating element design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism, black type of the driving mechanism type of the d	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 Knob-operated mechanism, black 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) / at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Vottage insulation voltage / rated value operating voltage at AC / rated value operating frequency / rated value operating of the driving mechanism / both z Protection class IP degree of protection NEMA rating protection class IP / on the front IP65 Dissipation 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 \$ 5 A operational current / rated value \$ 5 A operational current \$ 4 40 °C / rated value \$ 5 A \$ 5 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 No Ceneral technical data number of poles / note mechanical service life (switching cycles) / typical electrical endurance (s	product designation	3LD Switch disconnector	
operation type of switch design of the actuating element color / of the actuating element design of handle type of the driving mechanism / motor drive General technical data number of poles number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 / at 690 V operating frequency / maximum degree of pollution Voltage insulation voltage / rated value operating voltage • at AC / rated value • minimum • maximum 60 Hz Protection class protection class IP / on the front Dissipation power loss [IV] / for rated value of the current / at AC / in hot operating state / per pole Current • at 40 °C / rated value	design of the product	Main switch	
design of the actuating element black color / of the actuating element black color / of the actuating element black color / of the driving mechanism / motor drive No General technical data number of poles 4 number of poles 4 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value 690 V operating voltage resistance / rated value 690 V operating frequency / rated value 690 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		1 ON - 0 OFF	
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type of the driving mechanism / motor drive General technical data number of poles 4 number of poles / 4 mechanical service life (switching cycles) / typical / 100 000 electrical endurance (switching cycles) / 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 frequency / rated value / 690 V operating frequency / rated value / 690 V operating voltage resistance / rated value / 690 V operating voltage resistance / rated value / 690 V operating frequency / rated value / 690 V operating frequency / rated value / 600 Hz Protection class P / on the front P65 degree of protection NEMA rating / 1, 3R, 4X, 12 protection class P / on the front P65 Dissipation power loss W / for rated value of the current / at AC / in hot operating state / per pole Current / rated value / 25 A operational current / rated value / 25 A	color / of the actuating element	black	
Inumber of poles Inumber of poles 4 Inumber of poles 7 Inumber of poles 4 Inumber of poles 7 Inumb	design of handle	knob-operated mechanism, black	
number of poles 4 number of poles / note 4 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 6 kV operating voltage • at AC / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 690 V operation class IP 600 Hz Protection class IP 600 Hz Protection c	type of the driving mechanism / motor drive	No	
number of poles / note 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 • minimum 50 Hz • maximum 50 Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation Dissipation power loss [W] / for rated value of the current / at AC / in hot operating at at 0 °C / rated value operating at a value of the current / at AC / in hot operating state / per pole Current operational current / rated value 25 A operational current o at 40 °C / rated value 25 A	General technical data		
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operating frequency / maximum degree of pollution 7	electrical endurance (switching cycles)		
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 at AC / rated value operating frequency / rated value minimum maximum fo 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 25 A 25 A 25 A 26 A 26 A	surge voltage resistance / rated value	6 kV	
operating frequency / rated value	operating voltage		
	at AC / rated value	690 V	
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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	protection class IP / on the front	IP65	
hot operating state / per pole Current operational current / rated value operational current operational current operational current 25 A 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
Product details	
special product feature	Can be locked in zero position
	Can be locked in zero position Yes
special product feature	·
special product feature product feature / can be locked into OFF position	·
special product feature product feature / can be locked into OFF position accessories	·
special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive	Yes
special product feature product feature / can be locked into OFF position accessories product extension / optional	Yes No
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	No No
special product feature product feature / can be locked into OFF position accessories product extension / optional	No No No 2
special product feature product feature / can be locked into OFF position accessories product extension / optional	No No 2
special product feature product feature / can be locked into OFF position accessories product extension / optional	No No 2 4 0
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	No No 2 4 0 2
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special product feature product feature / can be locked into OFF position accessories product extension / optional	No No 2 4 0 2
special product feature product feature / can be locked into OFF position accessories product extension / optional	No No No 2 4 0 2 4 6 mm
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	No No 2 4 0 2 4 6 mm
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 / by gG fuse / rated value	No No 2 4 0 2 4 6 mm
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 / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse /	No No No 2 4 0 2 4 6 mm
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 • at 690 V / for combination switch + gG fuse /	No No No 2 4 0 2 4 6 mm 10 kA 6 kA 3.5 kA
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	No No 2 4 0 2 4 6 mm 10 kA 6 kA 3.5 kA 3.5 kA
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 • at 690 V / for combination switch + gG fuse / maximum permissible	No No 2 4 0 2 4 6 mm 10 kA 6 kA 3.5 kA 3.5 kA

maximum	
at 440 V / for combination switch + gG fuse /	4 kA2.s
maximum	
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	4 v /0 F to 40 mars2)
solidfinely stranded / with core end processing	1x (2.5 to 16 mm²) 1x (2.516 mm²)
stranded stranded	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections / for	M(2000 10 mm)
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 type of electrical connection	2x (0.75 2.5 mm²), 1x 4 mm²
for main current circuit	box terminal
for auxiliary contacts	Box terminals
Mechanical Design	
height	60 mm
width	49 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	55 °C
ambient temperature / during storage	
• minimum	-25 °C
• maximum	55 °C
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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3150-0TL11}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3150-0TL11

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3150-0TL11

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







