SIEMENS

Data sheet 3LD3248-1TK51



Load disconnector 3LD3, lu 32 A Main switch 3-pole Rated operating capacity for AC-23 A at 400V 11.5kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Rotating drive black 66 x 66 mm with auxiliary switch 1OE + 1S

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 Short rotary knob black color / of the actuating element design of he actuating element black design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive No General technical data number of poles number of poles / note service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A/ at 690 V operating frequency / maximum degree of pollution Voltago insulation voltage / rated value • endurance / at act / at act / and / act /	Model		
design of the product display version / for switch position indicator manual operation type of switch design of the actuating element color / of the actuating element design of the actuating element black design of handle rotary operating mechanism, black type of the driving mechanism / motor drive Ceneral technical data number of poles number of poles / note number of poles / note at AC-23 A / at 690 V surge voltage resistance / rated value operating frequency / rated value operating frequency / rated value e at AC / rated value operating frequency / rated value e minimum at AC / rated value operating frequency / rated value minimum bola AC / rated value minimum coperating frequency / rated value minimum fool 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 curront operational current / rated value operating state / per pole curront operational current / rated value e at 40 °C / rated value operational current / rated value	product brand name	SENTRON	
display version / for switch position indicator manual operation type of switch	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 No General technical data number of poles 3 number of poles 00 electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles) / 41 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value 690 V operating voltage valed value 690 V operating frequency / rated value 690 V operating state / per pole 1, 3R, 4X, 12 protection class IP / on the front IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation operational current / rated value of the current / at AC / in hot operational current / rated value 32 A operational current / rated value 32 A	design of the product	Main switch	
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type of the driving mechanism / motor drive General technical data	color / of the actuating element	black	
number of poles 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 Voltage insulation voltage / rated value operating voltage resistance / rated value • at AC / rated value • at AC / rated value • minimum • maximum 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 • at 40 °C / rated value a poperational current / rated value a poperational current / rated value a 32 A operational current • at 40 °C / rated value a 32 A operational current • at 40 °C / rated value a 32 A	design of handle	rotary operating mechanism, black	
number of poles number of poles / note number	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 for the degree of pollution Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum or maximum for 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 / rated value 33 A operational current of the visit of typical and to one of the current of typical and the visit of typical and typic	General technical data		
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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 operating frequency / rated value frequency / rated value operation class IP 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	electrical endurance (switching cycles)		
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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	degree of protection NEMA rating	1, 3R, 4X, 12	
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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
• 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	
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	1
number of NO contacts / for auxiliary contacts	1
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
	v.
 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	Can be locked in zero position Yes
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 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
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	Can be locked in zero position Yes No No 2
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
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
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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 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 /	Can be locked in zero position Yes No No No 2 4 0 3 4 8 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 3 4 8 mm
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 No 2 4 0 3 4 8 mm

maximum	
at 440 V / for combination switch + gG fuse /	9 kA2.s
maximum	
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	32 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	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	1x (2.516 mm²)
stranded type of connectable conductor cross-sections / for	1x (2.5 to 16 mm²)
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
Mechanical Design	00
height	60 mm
width depth	47 mm 380 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	Yes
net weight	300 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage	25 °C
minimum maximum	-25 °C 55 °C
General Product Approval	Declaration of Conformity
Colletal Floudet Approval	Deciaration of Comornity











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=3LD3248-1TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3248-1TK51

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3248-1TK51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications









