SIEMENS

Data sheet 3LD3240-1TL13



Load disconnector 3LD3, lu 32 A Main switch 3-pole + N Rated operating capacity for AC-23 A at 400V 11.5kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Toggle drive red / yellow 48x48 mm with auxiliary switch 10E + 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 design of the actuating element design of he actuating element red design of he actuating element design of handle type of the driving mechanism / motor drive Roperation of the actuating element design of handle type of the driving mechanism / motor drive Roperate design of handle type of the driving mechanism / motor drive Roperate design of handle type of the driving mechanism / motor drive Roperate design of handle type of the driving mechanism / motor drive Roperated mechanism, red/yellow No Roperated	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 handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive Rear of poles number of poles / note number of poles / note number of poles / note electrical endurance (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 requency / rated value • maximum 60 Hz Protection class 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 4 °C / rated value operational current / rated value	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 ted design of handle type of the driving mechanism / motor drive 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) / topical electrical endurance (switching cycles) / 6000 operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating frequency / rated value • at AC-7 at ed value • at AC-7 rated value • minimum • maximum fool Hz Protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operational current / rated value	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 Ceneral technical data number of poles number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / eat AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value operating voltage at AC / rated value eminimum operating frequency / rated value eminimum operating frequency / rated value eminimum foo Hz eminimum	design of the product	EMERGENCY-STOP switch	
design of the actuating element color / of the actuating element red design of handle type of the driving mechanism / motor drive No General technical data number of poles number of poles 4 mechanical service life (switching cycles) / typical 50		1 ON - 0 OFF	
color / of the actuating element design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive Ceneral technical data number of poles 4 number of poles / note mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V surge voltage resistance / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operating requency / rated value 690 V operating requency / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operation class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation IP65 Dissipation IP65 Current Operational current / rated value 32 A operational current / rated value 32 A	type of switch	Floor mounting with door coupling	
design of handle type of the driving mechanism / motor drive No Ceneral technical data	design of the actuating element	selector switch	
type of the driving mechanism / motor drive General technical data	color / of the actuating element	red	
Anumber of poles 4	design of handle	knob-operated mechanism, red/yellow	
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 690 V operating voltage • at AC / rated value 690 V operating frequency / rated value 690 V operating requency / rated value 690 V operating requency / rated value 600 V operating requency / rated value 600 V operating requency / rated value 600 V operating requency / rated value 100 Hz Protection class protection class IP 600 Hz 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 Current operational current / rated value 32 A operational current / rated value 32 A operational current • at 40 °C / rated value	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 degree of pollution **Nottage** insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value • operating frequency / rated value • minimum operating frequency / rated value • 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* operational current / rated value 32 A operational current • at 40 °C / rated value 32 A	General technical data		
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at AC-23 A / at 690 V 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 operating frequency / rated value ominimum o	mechanical service life (switching cycles) / typical	100 000	
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 indigital 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)		
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	
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 • minimum 50 Hz • maximum 60 Hz 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 Current operational current / rated value 32 A operational current • at 40 °C / rated value 32 A	operating frequency / maximum	50 1/h	
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surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum	Voltage		
operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 50 Hz 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 690 V 690	insulation voltage / rated value	690 V	
at AC / rated value operating frequency / rated value minimum maximum for 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 operational current / rated value at 40 °C / rated value 690 V 6	surge voltage resistance / rated value	6 kV	
operating frequency / rated value	operating voltage		
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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 • at 40 °C / rated value 1, 3R, 4X, 12 1,	maximum	60 Hz	
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 1, 3R, 4X, 12 IP65 1.8 W 1.8 W 32 A	Protection class		
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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 32 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 32 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 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	

• 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 	Yes
 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	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
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
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
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
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	Can be locked in zero position Yes No No 2 4 0 2 4 6 mm
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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 • 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 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	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 /	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	4 (0.5 to 40
solid finally stranded / with core and processing	1x (2.5 to 16 mm²) 1x (2.516 mm²)
 finely stranded / with core end processing stranded 	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections / for	17 (2.0 % 10 11111)
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	box terminal
for main current circuitfor auxiliary contacts	Box terminals
Mechanical Design	SON COMMISSION OF THE PROPERTY
height	60 mm
width	60 mm
depth	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
minimum maximum	-25 °C 55 °C
ambient temperature / during storage	
minimum	-25 °C
maximum	55 °C
General Product Approval	Declaration of Conformity
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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=3LD3240-1TL13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3240-1TL13

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3240-1TL13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications









