SIEMENS

Data sheet

3LD3240-1TK11



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 Toggle drive black 48x48 mm with auxiliary switch 10E + 1S

product brand name SENTRON product designation 3LD Switch disconnector design of the product Main switch display version / for switch position indicator manual operation 1ON - 0 OFF type of switch Floor mounting with door coupling design of the actuating element selector switch color / of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No Ceneral technical data	Model		
design of the product Main switch display version / for switch position indicator manual operation 1 ON - 0 OFF type of switch Floor mounting with door coupling design of the actuating element selector switch design of handle knot-operated mechanism, black type of the driving mechanism / motor drive No Ceneral technical data number of poles number of poles 3 number of poles 3 number of poles 6 000 electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles) 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 6 000 operating requency / rated value 6 8V operating requency / rated value 6 8V operating requency / rated value 6 00 V operating requency / rated value 6 8V operating frequency / rated value 60 V e maximum 50 Hz e degree of protection class IP IP65 degree of protection class IP IP65 degree of protection class IP / on the front IP65 Dissipation 1.8 W protection class IP / on the front IP65	product brand name	SENTRON	
display version / for switch position indicator manual operation 1 ON - 0 OFF type of switch Floor mounting with door coupling design of the actuating element black color / of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data number of poles / note number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurace (switching cycles) / typical 100 000 electrical endurace (switching cycles) / typical 100 000 electrical endurace (switching cycles) / typical 6000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 680 V surge voltage resistance / rated value 690 V operating voltage 6 kV operating frequency / rated value 690 V operating requency / rated value 690 V operating requency / rated value 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protect	product designation	3LD Switch disconnector	
operation Floor mounting with door coupling design of the actuating element selector switch color / of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data	design of the product	Main switch	
design of the actuating element selector switch color / of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data number of poles number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 00 00 operating frequency / maximum 60 00 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value operating frequency / rated value 680 V surge voltage resistance / rated value 690 V operating frequency / rated value 700 Hz operating frequency / rated value 7100 Hz		1 ON - 0 OFF	
color / of the actuating element black design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data Inumber of poles / note number of poles / note 3 nechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 1nsulation voltage / rated value 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 requency / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 70 Hz operating frequency / rated value 70 Hz operation class IP 1, 3R, 4X, 12	type of switch	Floor mounting with door coupling	
design of handle knob-operated mechanism, black type of the driving mechanism / motor drive No General technical data 3 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating frequency / rated value 90 V operating frequency / rated value 14 R e maximum 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 32 A operational current / rated value <	design of the actuating element	selector switch	
type of the driving mechanism / motor drive No General technical data	color / of the actuating element	black	
General technical data number of poles 3 number of poles 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) 6 000 operating frequency / maximum 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage / rated value 690 V operating requency / maximum 60 V operating requency / rated value 690 V operating voltage 64 V operating voltage 690 V extract value 690 V operating requency / rated value 690 V operating frequency / rated value 690 V operation class IP IP65 protection class IP / on the front IP65 Dissipation 1.8 W hot operating state / per pole 32 A	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) 6 000 operating frequency / maximum 60 1/h degree of pollution 3 Voltage 6 000 insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating requency / rated value 690 V surge voltage resistance / rated value 690 V operating requency / 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 Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 90erating state / per pole Current 32 A <td>type of the driving mechanism / motor drive</td> <td>No</td>	type of the driving mechanism / motor drive	No	
number of poles / note 3 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 690 V insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating frequency / maximum 600 V operating voltage 690 V • at AC / rated value 690 V operating frequency / rated value 690 V operation class IP IP protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.8 W operational current / rated value 32 A	General technical data		
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 insulation voltage / rated value 690 V operating requency / maximum 6 kV operating voltage 690 V • at AC / rated value 690 V operating voltage 690 V • at AC / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.8 W operating state / per pole 32 A	number of poles	3	
electrical endurance (switching cycles) 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage / rated value 690 V operating voltage 6 kV operating voltage 690 V • at AC / rated value 690 V operating voltage 6 kV operating trequency / rated value 690 V operating requency / rated value 600 V operating frequency / rated value 50 Hz • maximum 50 Hz egree of protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.8 W pover loss [W] / for rated value of the current / at AC / in hot operating state / per pole 32 A operational current 32 A <t< td=""><td>number of poles / note</td><td>3</td></t<>	number of poles / note	3	
• at AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voitage insulation voltage / rated value insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating voltage 690 V • at AC / rated value 690 V operating frequency / rated value 50 Hz • maximum 50 Hz for the frequency / rated value 1, 3R, 4X, 12 protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.8 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 32 A operational	mechanical service life (switching cycles) / typical	100 000	
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 operating requency / rated value 690 V operating voltage operating frequency / rated value 690 V operating frequency / rated value operating frequency / rated value 690 V operating frequency / rated value operating frequency / rated value 690 V operating frequency / rated value operating frequency / rated value 690 V operating frequency / rated value operating frequency / rated value 60 Hz operation class Protection class IP IP65 IP65 degree of protection NEMA rating 1, 3R, 4X, 12 IP65 Dissipation IP65 IP65 IP65 Dissipation 1.8 W Operational current / rated value of the current / at AC / in hot operating state / per pole 32 A operational current / rated value 32 A 32 A	electrical endurance (switching cycles)		
degree of pollution 3 Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage 690 V • at AC / rated value 690 V operating voltage 690 V • at AC / rated value 690 V operating frequency / rated value 690 V • minimum 50 Hz • maximum 60 Hz Protection class Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.8 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 32 A Operational current / rated value 32 A	• at AC-23 A / at 690 V	6 000	
Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage 690 V operating voltage 690 V operating frequency / rated value 60 Hz Protection class Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation IP65 power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.8 W current 32 A operational current / rated value 32 A	operating frequency / maximum	50 1/h	
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage 690 V • at AC / rated value 690 V operating frequency / rated value 690 V • minimum 50 Hz • maximum 60 Hz Protection class 1, 3R, 4X, 12 protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation IP65 current 32 A operational current / rated value 32 A	degree of pollution	3	
surge voltage resistance / rated value 6 kV operating voltage 690 V operating frequency / rated value 690 V operating frequency / rated value 60 Hz • maximum 60 Hz Protection class IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation IP65 power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.8 W operational current / rated value 32 A operational current 32 A	Voltage		
operating voltage 690 V operating frequency / rated value 690 V operating frequency / rated value 50 Hz • minimum 50 Hz • maximum 60 Hz Protection class 1065 protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1065 Dissipation 1.8 W operating state / per pole 32 A operational current 32 A operational current 32 A	insulation voltage / rated value	690 V	
• at AC / rated value 690 V operating frequency / rated value 50 Hz • maximum 60 Hz Protection class 60 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 1.8 W Current operational current / rated value 32 A operational current 32 A	surge voltage resistance / rated value	6 kV	
operating frequency / rated value 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 1.8 W Current 32 A operational current / rated value 32 A	operating voltage		
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maximum 60 Hz Protection class protection class IP IP65 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 32 A operational current • at 40 °C / rated value 32 A	operating frequency / rated value		
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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 Current operational current / rated value operational current 32 A operational current 32 A	Protection class		
protection class IP / on the front IP65 Dissipation	protection class IP	IP65	
Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.8 W Current operational current / rated value 32 A operational current 32 A • 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 1.8 W Current 0 operational current / rated value 32 A operational current 32 A	protection class IP / on the front	IP65	
hot operating state / per pole Current operational current / rated value 32 A operational current 32 A • at 40 °C / rated value 32 A	Dissipation		
operational current / rated value 32 A operational current 32 A • at 40 °C / rated value 32 A		1.8 W	
operational current 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	

a at E0 °C / rated value	22.4
• 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
 maintenance/repair switch 	Yes
Product details	
special product feature	Can be locked in zero position
product feature / can be locked into OFF position	Yes
accessories	
product extension / optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts / for auxiliary contacts	2
/ attachable / maximum	
number of connectable NO contacts / for auxiliary contacts	4
/ attachable / maximum	
number of connectable CO contacts / for auxiliary contacts	0
/ attachable / maximum	2
number of bracket locks / maximum	2
hasp thickness / of the bracket locks	4 6 mm
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
let-through current / with closed switch	
• at 240 V / for combination switch + gG fuse /	4.5 kA
maximum	
• at 440 V / for combination switch + gG fuse /	4.5 kA
maximum	
• at 690 V / for combination switch + gG fuse /	5 kA
maximum permissible	
I2t value / with closed switch	
 at 240 V / for combination switch + gG fuse / 	9 kA2.s

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 mm ²)
 finely stranded / with core end processing 	1x (2.516 mm ²)
stranded type of connectable conductor cross-sections / for	1x (2.5 to 16 mm ²)
auxiliary contacts • solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded / with core end processing 	2x (0.75 2.5 mm ²), 1x 2.5 mm ²
stranded	2x (0.75 2.5 mm ²), 1x 4 mm ²
type of electrical connection	$\chi^{*} = - \rho$
for main current circuit	box terminal
 for auxiliary contacts 	Box terminals
Mechanical Design	
height	60 mm
width	47 mm
depth	380 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	No
 4-hole front mounting 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	
• minimum	-25 °C
maximum	55 °C
General Product Approval	Declaration of Conformity

Confirmation









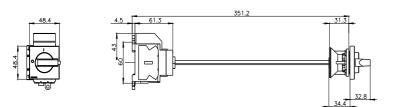
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other

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=3LD3240-1TK11 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3240-1TK11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3240-1TK11 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





Boden/ Base/ Plancher/ Base/ Pavimento/ Fundo

11.4



