SIEMENS

Data sheet 3LD3240-0TL11



Load disconnector 3LD3, Iu 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 black 48x48 mm

Model		
Model product brand name	CENTRON	
product brand name	SENTRON	
product designation	Switch disconnector	
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	
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	4	
number of poles note	4	
mechanical service life (operating cycles) typical	100 000	
electrical endurance (operating 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		
• 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	1.8 W	
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	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	
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 attachable maximum	2	
number of connectable NO contacts for auxiliary contacts attachable maximum	4	
number of connectable CO contacts for auxiliary contacts attachable maximum	0	
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 maximum 	4.5 kA	
 at 440 V for combination switch + gG fuse maximum 	4.5 kA	
at 690 V for combination switch + gG fuse maximum permissible	5 kA	
I2t value with closed switch		
• at 240 V for combination switch + gG fuse maximum	9 kA2.s	
• at 440 V for combination switch + gG fuse maximum	9 kA2.s	
• 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	1x (2.5 to 16 mm²)		
type of connectable conductor cross-sections for 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			
height	60 mm		
width	49 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		
maximum	55 °C		
ambient temperature during storage			
• minimum	-25 °C		
maximum	55 °C		
General Product Approval		Declaration of Conformity	



Confirmation









other Environment

<u>Miscellaneous</u> <u>Confirmation</u> <u>Environmental Confirmations</u>

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3240-0TL11}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3240-0TL11

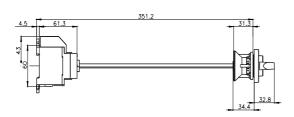
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3240-0TL11

CAx-Online-Generator

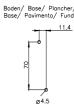
Tender specifications

http://www.siemens.com/specifications











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