SIEMENS

Data sheet

3LD3210-0TL05



Load disconnector 3LD3, lu 32 A Main switch 3-pole + N Rated operating capacity for AC-23 A at 400V 11.5kW Installation in distribution boards, Basic switch without Knob-operated mechanism

product brand name SENTRON product designation 3LD Switch disconnector design of the product Switch display version / for switch position indicator manual operation 1ON - 0 OFF type of switch DIN-rail mounting design of the actuating element Without handle design of handle without type of the driving mechanism / motor drive No Genoral technical data number of poles number of poles 4 number of poles 4 electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 6000 e at AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage e olution e at AC / rated value 690 V surge vollage resistance / rated value 690 V operating frequency / rated value 690 V enditation voltage / rated value 690 V operating frequency / rated value 60 Hz enditation 1.8 W	Model		
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• at 50 °C / rated value 32 A	 at 40 °C / rated value 	32 A	
	 at 45 °C / rated value 	32 A	
• at 55 °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	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 	Yes
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
special product feature	Basic Switch
product feature / can be locked into OFF position	No
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
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 / 	9 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	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 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	64 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	No
 4-hole front mounting front mounting with control attachment 	No
front mounting with central attachment rail mounting	No Yes
• rail mounting	
net weight Environmental conditions	200 g
ambient temperature / during operation minimum 	-25 °C
• maximum	-25 °C
ambient temperature / during storage	
minimum	-25 °C
• maximum	55 °C
General Product Approval	Declaration of Conformity
Ceneral i roudet Approval	Deciditation of contorning

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other

Miscellaneous

Further information

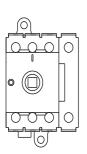
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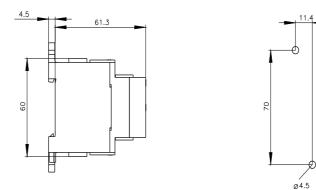
CAx-Online-Generator

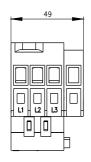
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Tender specifications

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