SIEMENS

Data sheet

3LD3310-0TK05



Load disconnector 3LD3, lu 40 A Main switch 3-pole Rated operating capacity at AC-23 A at 400 V 18.5 kW Installation in distribution boards, Basic switch without Knob-operated mechanism

Model		
product brand name	SENTRON	
product designation	3LD Switch disconnector	
design of the product	Switch	
display version / for switch position indicator manual operation	1 ON - 0 OFF	
type of switch	DIN-rail mounting	
design of the actuating element	Without handle	
design of handle	without	
General technical data		
number of poles	3	
number of poles / note	3	
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	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	IP20	
protection class IP / on the front	IP20	
Dissipation		
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.5 W	
Current		
operational current / rated value	40 A	
operational current		
 at 40 °C / rated value 	40 A	
 at 45 °C / rated value 	40 A	
 at 50 °C / rated value 	40 A	
 at 55 °C / rated value 	40 A	
• at AC / rated value	40 A	

Main circuit	
operational current	
at AC-21 / at 690 V / rated value	40 A
• at AC-21 A / at 240 V / rated value	40 A
• at AC-21 A / at 400 V / rated value	40 A
• at AC-21 A / at 440 V / rated value	40 A
• at AC-23 A / at 400 V / rated value	36 A
operating power	
• at AC-23 A / at 240 V / rated value	7.5 kW
• at AC-23 A / at 400 V / rated value	19 kW
• at AC-23 A / at 440 V / rated value	15 kW
• at AC-23 A / at 690 V / rated value	15 kW
• at AC-3 / at 240 V / rated value	7.5 kW
• at AC-3 / at 400 V / rated value	12 kW
• at AC-3 / at 690 V / rated value	11.5 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 contacts / at AC / maximum	10 A
insulation voltage / of the auxiliary switch / rated value	500 V
Suitability	
suitability for use	Vee
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
safety switch maintenance/renair switch	Yes
maintenance/repair switch	Yes
Product details	Decie Cwitch
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
t at 690 V / by gG fuse / rated value let-through current / with closed switch	6 KA
 at 690 V / by gG fuse / rated value let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum 	6 KA 5 KA
 let-through current / with closed switch at 240 V / for combination switch + gG fuse / 	
 let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / 	5 kA
 let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / 	5 kA 5 kA
 let-through current / with closed switch at 240 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 permissible 	5 kA 5 kA
 let-through current / with closed switch at 240 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 permissible l2t value / with closed switch at 240 V / for combination switch + gG fuse / 	5 kA 5 kA 5 kA
 let-through current / with closed switch at 240 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 permissible l2t value / with closed switch at 240 V / for combination switch + gG fuse / maximum at 240 V / for combination switch + gG fuse / maximum 	5 kA 5 kA 5 kA 15 kA2.s

 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	40 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	40 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 mm ²)
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 mm ²), 1x 2.5 mm ²
• 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	36 mm 64 mm
depthtype of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	No
 front mounting with central attachment 	No
rail mounting	Yes
net weight	200 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
	• •• <i>•</i>
Confirmation	EUL CE AR
<u> </u>	65 <i>77</i> IH1
CCC UL	EG-Konf.

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=3LD3310-0TK05

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3310-0TK05

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

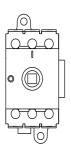
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3310-0TK05

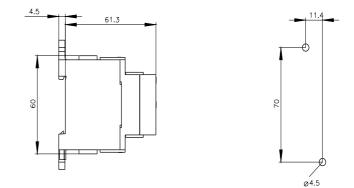
CAx-Online-Generator

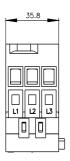
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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