SIEMENS

Data sheet

3LD3030-0TL13



Load disconnector 3LD3, Iu 16 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 7.5kW Installation in distribution boards, Basic switch with selector knob red / yellow

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	DIN-rail mounting
design of the actuating element	selector switch
color of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
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	IP40
protection class IP on the front	IP40
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	0.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	16 A
• at AC-21 A at 240 V rated value	16 A
• at AC-21 A at 400 V rated value	16 A
 at AC-21 A at 440 V rated value 	16 A
• at AC-23 A at 400 V rated value	16 A

operating powerstart with the second sec		
# AA-23 At 400 V rates value 8 KV # AA-23 At 400 V rates value 7 5 KVV # AA-3 at 400 V rates value 8 KV # AA-3 at 400 V rates value 8 KV # AA-3 at 400 V rates value 8 KV # AA-3 at 400 V rates value 5 KVV # AA-3 at 400 V rates value 5 KVV # AA-3 at 400 V rates value 0 # AN-3 at 400 V rates value 0 # AN-400 V ra		
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••••••••••••••••••••••••••••••••••••	 at AC-23 A at 690 V rated value 	8 kW
••••••••••••••••••••••••••••••••••••	 at AC-3 at 240 V rated value 	3 kW
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Suitability	continuous current of the auxiliary contact rated value	10 A
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e at 690 V by gG fuse rated value 6 kA let-through current with closed switch 3 kA • at 240 V for combination switch + gG fuse maximum 3 kA • at 440 V for combination switch + gG fuse maximum 3 kA • at 690 V for combination switch + gG fuse maximum 3 kA • at 690 V for combination switch + gG fuse maximum 3 kA • at 240 V for combination switch + gG fuse maximum 2.5 kA2.s • at 240 V for combination switch + gG fuse maximum 2.5 kA2.s • at 440 V for combination switch + gG fuse maximum 2.5 kA2.s • at 690 V for combination switch + gG fuse maximum 3 kA2.s design of the fuse link fuse gL/gG: 20 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL operational current at AC according to UL 508/UL 60947-4-1 operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 16 A active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 7.5 active power [hp] at AC at 480 V according to UL 508/UL 608/UL 60947-4-1 10		
let-through current with closed switch 3 kA • at 240 V for combination switch + gG fuse maximum 3 kA • at 440 V for combination switch + gG fuse maximum 3 kA • at 690 V for combination switch + gG fuse maximum 3 kA • at 690 V for combination switch + gG fuse maximum 3 kA • at 240 V for combination switch + gG fuse maximum 2.5 kA2.s • at 440 V for combination switch + gG fuse maximum 2.5 kA2.s • at 490 V for combination switch + gG fuse maximum 3 kA • at 690 V for combination switch + gG fuse maximum 3 kA2.s design of the fuse link fuse gL/gG: 20 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL operational current at AC according to UL 508/UL 60947-4-1 600 V 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 7.5 600 V 600 V active power [hp] at AC at 600 V according to UL 508/UL 10	• at 440 V by gG fuse rated value	10 kA
• at 240 V for combination switch + gG fuse maximum3 kA• at 440 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA• at 240 V for combination switch + gG fuse maximum2.5 kA2.s• at 440 V for combination switch + gG fuse maximum2.5 kA2.s• at 440 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum1 fuse gL/gG: 20 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value16 A• operational current at AC according to UL 508/UL 60947-4-116 A• operational current at AC at 50/60 Hz according to UL 508/UL600 V• 60947-4-1 rated value7.5• active power [hp] at AC at 800 V according to UL 508/UL7.5• active power [hp] at AC at 600 V according to UL 508/UL10	• at 690 V by gG fuse rated value	6 kA
• at 440 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kApermissible3 kA I2t value with closed switch 3 kA• at 240 V for combination switch + gG fuse maximum2.5 kA2.s• at 440 V for combination switch + gG fuse maximum2.5 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA• at 690 V for combination switch + gG fuse maximum3 kA2.s• at 690 V for combination switch + gG fuse maximum3 kA2.s• design of the fuse linkfuse gL/gG: 20 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value16 Aaccording ULoperational current at AC according to UL 508/UL 60947-4-1• operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V600 V• 600 V600 V• 600 V7.5• 600 V according to UL 508/UL 60947-4-110	let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible 3 kA I2t value with closed switch 3 kA • at 240 V for combination switch + gG fuse maximum 2.5 kA2.s • at 440 V for combination switch + gG fuse maximum 2.5 kA2.s • at 690 V for combination switch + gG fuse maximum 3 kA • at 690 V for combination switch + gG fuse maximum 3 kA2.s • at 690 V for combination switch + gG fuse maximum 3 kA2.s design of the fuse link 60 V for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required fuse gL/gG: 20 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL 0perational current at AC according to UL 508/UL 60947-4-1 16 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60047-4-1 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 7.5 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10 10	• at 240 V for combination switch + gG fuse maximum	3 kA
permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum 2.5 kA2.s • at 440 V for combination switch + gG fuse maximum 2.5 kA2.s • at 690 V for combination switch + gG fuse maximum 3 kA2.s design of the fuse link	• at 440 V for combination switch + gG fuse maximum	3 kA
 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 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 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 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 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 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 maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 600 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL 		3 kA
• at 440 V for combination switch + gG fuse maximum 2.5 kA2.s • at 690 V for combination switch + gG fuse maximum 3 kA2.s design of the fuse link 5 fuse gL/gG: 20 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL 0 operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 16 A active power [hp] at AC at 480 V according to UL 508/UL 608/UL 60947-4-1 600 V active power [hp] at AC at 600 V according to UL 508/UL 10 7.5	I2t value with closed switch	
• at 690 V for combination switch + gG fuse maximum 3 kA2.s design of the fuse link fuse gL/gG: 20 A • for short-circuit protection of the main circuit required fuse gL/gG: 20 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL 0perational current at AC according to UL 508/UL 60947-4-1 operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 7.5 active power [hp] at AC at 480 V according to UL 508/UL 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10	• at 240 V for combination switch + gG fuse maximum	2.5 kA2.s
design of the fuse link for short-circuit protection of the main circuit required fuse gL/gG: 20 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value 16 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 fated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10 10	• at 440 V for combination switch + gG fuse maximum	2.5 kA2.s
 for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 20 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL operational current at AC according to UL 508/UL 60947-4-1 for A for value for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A fuse gL/gG: 10 A for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A for short-circuit protection of the auxiliary switch required for short-circuit	• at 690 V for combination switch + gG fuse maximum	3 kA2.s
 for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 16 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 600 ∨ 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL 10 	design of the fuse link	
operational current of upstream fuse rated value 16 A according UL 0 operational current at AC according to UL 508/UL 60947-4-1 16 A rated value 16 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10 10	• for short-circuit protection of the main circuit required	fuse gL/gG: 20 A
according UL operational current at AC according to UL 508/UL 60947-4-1 16 A rated value 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 7.5 60947-4-1 rated value 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10	• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
according UL operational current at AC according to UL 508/UL 60947-4-1 16 A rated value 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 7.5 60947-4-1 rated value 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10	operational current of upstream fuse rated value	16 A
rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 7.5 active power [hp] at AC at 480 V according to UL 508/UL 7.5 active power [hp] at AC at 600 V according to UL 508/UL 10	according UL	
60947-4-1 rated value 7.5 active power [hp] at AC at 480 V according to UL 508/UL 7.5 60947-4-1 rated value 10		16 A
60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 10		600 V
		7.5
		10

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
•	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 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	77 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 	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
Approvals Certificates	
General Product Approval	
Confirmation CEG-Konf.	
other Environment	
Confirmation Miscellaneous Environmental firmations	

 Further information

 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)

 https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3030-0TL13

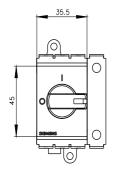
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

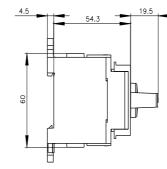
https://support.industry.siemens.com/cs/ww/en/ps/3LD3030-0TL13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3030-0TL13

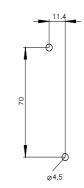
CAx-Online-Generator http://www.siemens.com/cax

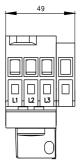
Tender specifications

http://www.siemens.com/specifications









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