SIEMENS

Data sheet

3LD3230-0TL11



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 with selector knob black

Model	
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	DIN-rail mounting
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	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	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	

ex Ar Q23 A pr 440 V rated value 15 SW ex Ar Q23 A at 260 V rated value 12 KW ex Ar Q3 at 260 V rated value 55 KW ex Ar Q3 at 260 V rated value 10 KW ex Ar Q3 at 260 V rated value 95 KW Auxiliary circuit 0 number of C0 contrates for auxiliary contrates 0 number of C0 contrates for auxiliary contrates 0 operating valueg of auxiliary contrates at AC maximum 500 V continuous current of the auxiliary contrates at AC maximum 500 V continuous current of the auxiliary contrates at AC maximum 500 V extended Yes extended isonneator Yes <td< td=""><td>• at AC-23 A at 240 V rated value</td><td>6 kW</td></td<>	• at AC-23 A at 240 V rated value	6 kW
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Suitability suitability for use	continuous current of the auxiliary contact rated value	10 A
Suitability suitability for use	insulation voltage of the auxiliary switch rated value	500 V
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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 6 kA • 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 440 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • 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 450 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 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 fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 • for short-circuit protection of the zaccording to UL 508/UL 6	number of bracket locks maximum	2
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• at 690 V by gG fuse rated value 6 kA let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 9 kA2.s • 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 440 V for combination switch + gG fuse maximum 9 kA2.s • at 690 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 at AC according to UL 508/UL 60947-4-1 32 A according UL 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947- 20 active power [hp] at AC at 480 V according to UL 508/UL 60947- 20 4-1 rated value 20	conditional short-circuit current with line-side fuse protection	
let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • 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 fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 32 A operational current at AC according to UL 508/UL 60947-4-1 32 A active power (hp] at AC at 480 V according to UL 508/UL 60947-4-1 20 active power (hp] at AC at 480 V according to UL 508/UL 60947-4-1 20 active power (hp] at AC at 600 V according to UL 508/UL 60947-4-1 20	 at 440 V by gG fuse rated value 	10 kA
• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• design of the fuse linkfuse gL/gG: 40 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value32 A actored rule 32 A• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 arated value20• active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value20• active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value20	 at 690 V by gG fuse rated value 	6 kA
• at 440 V for combination switch + gG fuse maximum4.5 kA• at 690 V for combination switch + gG fuse maximum permissible5 kAI2t value with closed switch9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current at AC according to UL 508/UL 60947-4-132 A• active power [hp] at AC at 480 V according to UL 508/UL 60947-20• active power [hp] at AC at 480 V according to UL 508/UL 60947-20• active power [hp] at AC at 600 V according to UL 508/UL 60947-20• 1 rated value <td>let-through current with closed switch</td> <td></td>	let-through current with closed switch	
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permissible 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 • 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 operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	 at 440 V for combination switch + gG fuse maximum 	4.5 kA
I2t value with closed switch 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 9 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 32 A according UL 32 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 32 A 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		5 kA
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• 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 32 A 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	0	
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60947-4-1 rated value 20 active power [hp] at AC at 480 V according to UL 508/UL 60947- 20 4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 60947- 20 4-1 rated value 20		32 A
4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 20		600 V
4-1 rated value		20
short-time withstand current (SCCR) at 600 V according to UL 5 kA		20
	short-time withstand current (SCCR) at 600 V according to UL	5 kA

508/UL 60947-4-1					
continuous current of up	ostream fuse according to	o UL rated value	50 A		
type of fuse according to	o UL		RK5		
Connections					
AWG number as coded solid	connectable conductor	cross section			
 maximum 			6		
 minimum 			14		
type of connectable con conductor	ductor cross-sections for	r copper			
 solid 			1x (2.5 to 16 mm ²)		
 finely stranded with 	ith core end processing		1x (2.516 mm²)		
 stranded 			1x (2.5 to 16 mm ²)		
type of connectable con contacts	ductor cross-sections for	r auxiliary			
 solid 			2x (0.75 2.5 mm²), 1x 4		
-	ith core end processing		2x (0.75 1.5 mm²), 1x 2		
 stranded 			2x (0.75 2.5 mm²), 1x 4	mm²	
type of electrical connect					
 for main current c 			box terminal		
 for auxiliary contain 	acts		Box terminals		
lechanical Design					
height			60 mm		
width			49 mm		
depth			77 mm		
type of device			fixed mounting	lt	
fastening method			Built-in unit fixed-mounted	Iversion	
fastening method	ting		No		
 4-hole front mounting with 	th central attachment		No		
 rail mounting 			Yes		
net weight			200 g		
Environmental condition	ns		200 g		
ambient temperature du					
 minimum 	ing operation		-25 °C		
maximum			55 °C		
ambient temperature du	iring storage				
• minimum			-25 °C		
 maximum 			55 °C		
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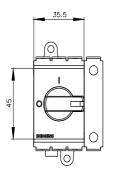
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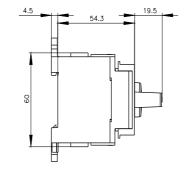
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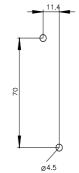
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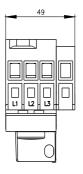
Tender specifications

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