SIEMENS

Data sheet

3LD2405-1TL11



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu=250 A, Operating power / at AC-23 A at 400 V: 132 kW, front-mounted, knob-operated mechanism, black, 4-hole mounting of the handle

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 front mounted design of the actuating element black design of the indiverse motor drive No General technical data motherspectation motor drive number of poles 4 size of switch disconnector 5 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 et al AC-23 At 6800 V 6 000 Inthe operating frequency maximum 60 1/h degree of pollution 3 voltage et al X-1 et al X-21 at 4salou <t< th=""><th>Model</th><th></th></t<>	Model			
design of the product Main switch displey version for switch position indicator manual operation 1 ON - 0 CFF type of switch front mounted design of the actuating element selector switch design of the actuating element black knob-operated mechanism, black knob-operated mechanism, black type of the driving mechanism motor drive No General technical data	product brand name	SENTRON		
display version for switch position indicator manual operation 1 ON - 0 OFF type of switch front mounted design of the actuating element black color of the actuating element black type of the driving mechanism motor drive No Central technical data rumber of poles aize of switch disconnector 5 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 00 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage 000 V surge voltage resistance rated value 690 V surge voltage resistance rated value 690 V operating frequency rated value 600 V operating routing voltage 600 V • at AC rated value 690 V operating routing voltage 1 NR 4X, 12 • at AC rated value 600 V operating frequency rated value 50 Hz • maximum 50 Hz • maximum 50 Hz • maximum 50 Hz • degree of protection NEMA rating 1, 3R, 4X, 12 <td>product designation</td> <td>Switch disconnector</td>	product designation	Switch disconnector		
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design of handle knob-operated mechanism, black type of the driving mechanism motor drive No General technical data	design of the actuating element	selector switch		
type of the driving mechanism motor drive No General technical data	color of the actuating element	black		
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degree of pollution 3 Voltage 690 V surge voltage resistance rated value 690 V operating voltage 8 kV operating voltage 690 V operating voltage 690 V operating voltage 690 V operating voltage 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 60 Hz Protection class Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation 36 W operating state per pole 36 W Main circuit 36 W operating state per pole 250 A e at AC-21 at 690 V rated value 250 A e at AC-21 A at 400 V rated value 250 A e at AC-21 A at 400 V rated value 250 A e at AC-21 A at 400 V rated value 250 A e at AC-21 A at 400 V rated value 250 A	• at AC-23 A at 690 V	6 000		
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degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation	Protection class			
protection class IP on the frontIP65Dissipation36 Wpower loss [W] for rated value of the current at AC in hot operating state per pole36 WMain circuit9000000000000000000000000000000000000	protection class IP	IP65		
Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole 36 W Main circuit	degree of protection NEMA rating	1, 3R, 4X, 12		
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operating state per pole Main circuit operational current • at AC-21 at 690 V rated value 250 A • at AC-21 A at 240 V rated value 250 A • at AC-21 A at 400 V rated value 250 A • at AC-21 A at 400 V rated value 250 A • at AC-21 A at 400 V rated value 250 A • at AC-21 A at 440 V rated value 250 A	Dissipation			
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• at AC-21 at 690 V rated value250 A• at AC-21 A at 240 V rated value250 A• at AC-21 A at 400 V rated value250 A• at AC-21 A at 440 V rated value250 A	Main circuit			
• at AC-21 A at 240 V rated value250 A• at AC-21 A at 400 V rated value250 A• at AC-21 A at 440 V rated value250 A	operational current			
 at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value 250 A 250 A 	• at AC-21 at 690 V rated value	250 A		
• at AC-21 A at 440 V rated value 250 A	• at AC-21 A at 240 V rated value	250 A		
	• at AC-21 A at 400 V rated value	250 A		
a at AC 22 A at 400 V rated value	• at AC-21 A at 440 V rated value	250 A		
• at AU-25 A at 400 V fated Value 224 A	• at AC-23 A at 400 V rated value	224 A		

enerative neuror	
operating power	75 1401
at AC-23 A at 240 V rated value	75 kW
at AC-23 A at 400 V rated value	132 kW
at AC-23 A at 440 V rated value	132 kW
• at AC-23 A at 690 V rated value	55 kW
• at AC-3 at 240 V rated value	55 kW
• at AC-3 at 400 V rated value	110 kW
• at AC-3 at 690 V rated value	45 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	
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	2
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	4 6 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
 at 690 V by gG fuse rated value 	50 kA
let-through current with closed switch	
 at 240 V for combination switch + gG fuse maximum 	15 kA
• at 440 V for combination switch + gG fuse maximum	15 kA
• at 690 V for combination switch + gG fuse maximum permissible	15 kA
I2t value with closed switch	
 at 240 V for combination switch + gG fuse maximum 	557 kA2.s
 at 440 V for combination switch + gG fuse maximum 	557 kA2.s
 at 690 V for combination switch + gG fuse maximum 	557 kA2.s
design of the fuse link	
for short-circuit protection of the main circuit required	fuse gL/gG: 250 A
 for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A
operational current of upstream fuse rated value	250 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	250 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	100
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	75
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	10 kA

continuous current of ur	ostream fuse according to	UL rated value	200 A	1				
type of fuse according to	-	stream fuse according to UL rated value			RK5			
Connections	.0 0L		TUXO					
	l connectable conductor c	ross section	_					
solid								
minimum								
 maximum 				4/0				
	nductor cross-sections for	copper						
conductor								
• solid			1x (16185mm²)					
-	randed with core end processing			1x (16150mm²)				
stranded			1x (16	6185mm²)				
type of connectable con contacts	nductor cross-sections for	auxiliary						
• solid				l auxiliary switch 2x (0,7 2,5mm²)	5 2,5mm²), 1x 4mm²; fr	ont auxiliary switch 1x		
 finely stranded w 	ith core end processing		lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²					
 stranded 			lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)					
type of electrical connect	ction							
• for main current of	circuit		box te	erminal				
 for auxiliary containing 	acts		connection terminals					
Mechanical Design								
height			169 n	nm				
width			112 n	nm				
depth			94 mi	n				
type of device			fixed mounting					
fastening method			Built-in unit fixed-mounted version					
fastening method								
 4-hole front mour 	nting		Yes					
 front mounting with 	ith central attachment		No					
rail mounting		No						
net weight			2 611 g					
Environmental conditio	ns							
ambient temperature du	uring operation							
minimum			-25 °0	C				
 maximum 			55 °C					
ambient temperature du	uring storage							
minimum			-25 °0	C				
 maximum 			55 °C					
General Product App	roval					Declaration of Con- formity		
		Confirmatio	<u>n</u>	0		1 IK		
Ø	(ac)			(NL)	EAC			
CSA	CCC			UL				
Declaration of Con- formity	Test Certificates			other		Environment		
	Type Test Certific-	Special Test Ce	ertific-	<u>Miscellaneous</u>	Confirmation	Environmental Con-		
EG-Konf.	ates/Test Report	<u>ate</u>				firmations		
EG-KONT.								
Further information	to avit the Duccion man							

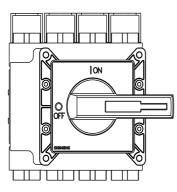
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates.

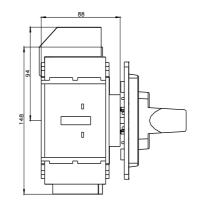
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

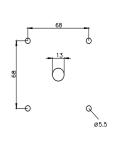
Information on the packaging

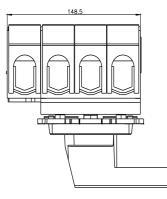
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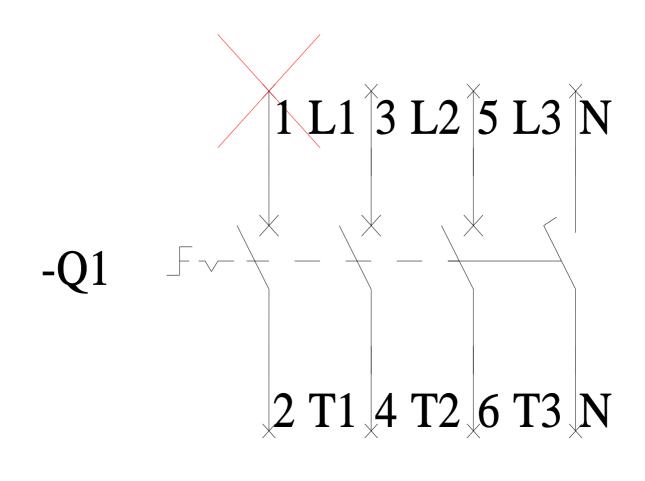
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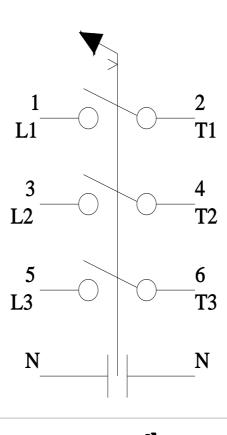








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