SIEMENS

Data sheet

3LD2013-0TK51

3-P. MAIN CTR. SWITCH IU=16, P/AC-23A AT 400V=7.5KW TO BE FITTED AD THE BASE RAILS/2-HOLE MOUNTING ROTARY ACTUATOR BLACK 4-HOLE MOUNTING



Figure similar

Model		
product brand name		SENTRON
Product designation	-	Main and EMERGENCY-STOP switches
Design of the operating mechanism		rotary actuator, black
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		3
Type of device	_	fixed mounting
Protection against electrical shock		finger-safe
Mechanical service life (switching cycles) / of the		100 000
main contacts / typical		
Operating frequency / maximum	1/h	50
Voltage		
Insulation voltage / Rated value	V	690
Surge voltage resistance / Rated value	V	6 000
Protection class		
Protection class IP		IP65
Electricity		

Continuous current / Rated value	А	16
Short-time current resistance (Icw) / at 690 V / limited	A	340
to 1 s / Rated value		
Main circuit	_	
Operating frequency	_	
• initial value	Hz	50
Full-scale value	Hz	60
Operating power		
at AC-23 A / at 400 V / Rated value	kW	7.5
• at AC-23 A / at 690 V / Rated value	kW	7.5
• at AC-3 / at 400 V / Rated value	kW	5.5
• at AC-3 / at 690 V / Rated value	kW	5.5
Operating voltage	-	
at AC / at 50/60 Hz / Rated value	V	690
Operating current / at AC-21 / Rated value	A	16
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 the auxiliary contacts / at AC / maximum	V	500
Continuous current / of the auxiliary contact / Rated value	A	10
Insulation voltage / of the auxiliary switch / Rated value	V	500
Suitability Suitability for use	-	
Main switch		Yes
		Yes
switch disconnector		
EMERGENCY OFF switch		No
 safety switch 		Yes
 maintenance/repair switch 		Yes
Product details		
Product feature / interlock		Yes
Product expansion / optional		
motor drive		No
Voltage trigger		No
Connections		
Connectable conductor cross-section		
• for main contacts		
— single or multi-stranded / minimum	mm²	1

		C
— single or multi-stranded / maximum	mm²	6
 finely stranded / with core end processing / maximum 	mm²	4
	mm²	1
— stranded / minimum		
— stranded / maximum	mm²	6
 for auxiliary contacts 		
— single or multi-stranded / minimum	mm²	0.75
 — single or multi-stranded / maximum 	mm²	4
 finely stranded / with core end processing / minimum 	mm²	0.75
 finely stranded / with core end processing / maximum 	mm²	2.5
— stranded / minimum	mm²	0.75
— stranded / maximum	mm²	4
Type of connectable conductor cross-section		
 for main contacts / finely stranded / with core end processing 		4
 for auxiliary contacts 		
— solid		50
— finely stranded / with core end processing		2x (0.75 1.5 mm2), 1x 2.5 mm2
Type of electrical connection	_	
• for main current circuit		connection terminals
 for auxiliary contacts 		connection terminals
Dequiremente	_	
Requirements Design of the fuse link	_	
• for short-circuit protection of the main circuit /		fuse gL/gG: 20 A
required		
 for short-circuit protection of the auxiliary switch / required 		fuse gL/gG: 10 A
Mechanical Design		
Height	mm	84
Width	mm	67
Depth	mm	429.5
Mounting type	-	floor mounting
Mounting type	_	
• front mounting		No
 front mounting with 4-hole attachment 		Yes
 front mounting with central attachment 		No
Side-by-side mounting		Yes
rail mounting		No
Net weight	g	411
Environmental conditions		

		(Ju)	4		EAC	sonstig
• acc. to DIN	-			S		
Certificates				<u> </u>		
	ture ation / minimum ation / maximum		°C °C	-25 55		

Declaration of	Test	Shipping Approval		other
Conformity	Certificates			
CE	spezielle Prüfbescheinigunge <u>n</u>	GL	Lloyd's Register	Umweltbestätigung
EG-Konf.		GL	LRS	

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

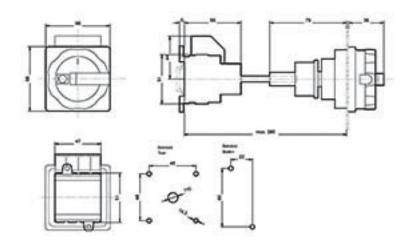
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3LD20130TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3LD20130TK51/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD20130TK51

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

Tender specifications http://ausschreibungstexte.siemens.com/tiplv



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