SIEMENS

Product data sheet 3LD2103-1TP51

Similar to image

MAIN CONTROL SWITCH 3-POLE IU=25,
P/AC-23A AT 400V=9,5KW 1NO+1 NC,
FRONT MOUNTING FOUR-HOLE MOUNTING ROTARY ACTUATOR BLACK

General technical details:		
product brand name		SENTRON
product designation		main and EMERGENCY-OFF switches
Type from device		fixed mounting
Design of the operating mechanism		rotary actuator, black
Protection class IP		IP65
Number of poles		3
Acceptability for application		
• switch disconnector		Yes
• main switch		Yes
• safety cut-out switch		Yes
• emergency stop switch		No
• maintenance/repair switch		Yes
Product equipment / interlock		Yes
Type of the driving mechanism / motor drive		No
Product extension / optional		
• motor drive		No
• voltage trigger		No
Ambient temperature / during operating	°C	-25 … +55

Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	V	6,000
Active power loss / per conductor / typical	W	1.1
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Protection against electrical shock		finger-safe
Item designation / according to DIN EN 61346-2		S
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		S

Main circuit:		
Continuous current / rated value	A	25
Operating current / at AC-21 / rated value	A	25
Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value	A	640
Operating frequency	Hz	50 … 60
Operating voltage / at 50/60 Hz / for AC / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	kW	7.5
• at 690 V / rated value	kW	7.5
Service power / at AC-23 A		
• at 400 V / rated value	kW	9.5
• at 690 V / rated value	kW	9.5
Operating cycles / maximum	1/h	50

Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of change-over switches / for auxiliary contacts		0
Continuous current / of the auxiliary contact / rated value	A	10
Operating voltage / of the auxiliary contacts / for AC / maximum	V	500
Insulation voltage / of the auxiliary switch / rated value	V	500

Short-circuit:		
Design of the fuse link / for short-circuit protection of the main circuit / necessary		fuse gL/gG: 25 A
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A

Installation/mounting/dimensions:		
Type of mounting		front mounting
• front mounting		Yes
• front mounting with central fixation		No

• front mounting with 4-hole fixation		Yes
• series installation		Yes
• Rail installation		No
Width	mm	67
Height	mm	84
Depth	mm	92.5

Connection type:		
Design of the electrical connection / for main current circuit		connection terminals
Design of the electrical connection / for auxiliary contact		connection terminals
Type of the connectable conductor cross-section / for main contacts		
• finely stranded / with conductor end processing		10 mm²
Type of connectable conductor cross section / for auxiliary contacts		
• solid		2x (0.75 to 2.5 mm2), 1x 4 mm2
• finely stranded / with conductor end processing		2x (0.75 ... 1.5 mm2), 1x 2.5 mm2
• stranded		2x (0.75 ... 2.5 mm2), 1x 4 mm2

Certificates/approvals:		
Verification of suitability		CSA / UL / CCC / GL / LRS / DNV / PRS
Conductor cross section that can be connected / for main contacts / solid / minimum	mm²	1.5
Conductor cross section that can be connected / for main contacts / solid / maximum	mm²	16
Conductor cross section that can be connected / for main contacts / stranded / minimum	mm²	1.5
Conductor cross section that can be connected / for main contacts / stranded / maximum	mm²	16
Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum	mm²	10
Conductor cross-section that can be connected / for auxiliary contact / solid / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / solid / maximum	mm²	4
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / minimum	mm²	0.75
Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / maximum	mm²	2.5
Conductor cross section that can be connected / for auxiliary contacts / stranded / min.	mm²	0.75
Conductor cross section that can be connected / for auxiliary contacts / stranded / max.	mm²	4

Certificates/approvals:

General Product Approval				Test Certificates
CCC	CSA	GOST	UL	Special Test Certificate

Shipping Approval			other	
GL	LRS	PRS	Declaration of Conformity	Environmental Confirmations

Further information:

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

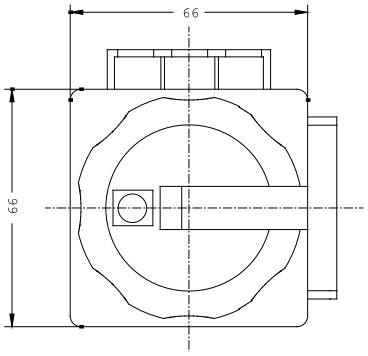
Industry Mall (Online ordering system)
http://www.siemens.com/lowvoltage/mall

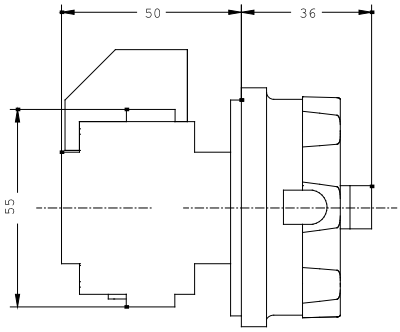
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3LD2103-1TP51/all

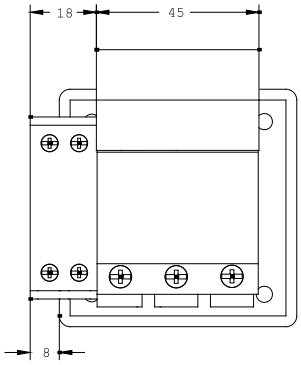
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2103-1TP51

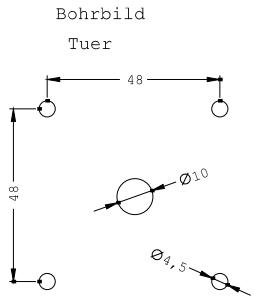
CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT









last change: Mar 4, 2013