SIEMENS

Product data sheet 3LD2504-1TL51

Similar to image

MASTER SWITCH 4-POLE IU=63,
P/AC-23A W. 400V=22KW FRONT MOUNTING FOUR-HOLE MOUNTING ROT. MECHANISM BLACK

General technical details:		
product brand name		SENTRON
Design of the operating mechanism		rotary actuator, black
Type from device		fixed mounting
Protection class IP		IP65
Number of poles		4
Mounting type		front mounting
• front mounting		Yes
• rail mounting		No
• series installation		Yes
Insulation voltage / rated value	V	690
Continuous current / rated value	A	63
Product equipment / interlock		Yes
Design of the electrical connection		
• for auxiliary contact		connection terminals
• for main current circuit		connection terminals
Type of the driving mechanism / motor drive		No
Number of NC contacts / for auxiliary contacts		0
Impulse voltage resistance / rated value	V	6,000

Number of NO contacts / for auxiliary contacts		0
Number of changeover contacts / for auxiliary contacts		0
Operating current / at AC-21 / rated value	A	63
Operating voltage		
• of the auxiliary contacts / for AC / maximum	V	500
• at 50/60 Hz / for AC / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	kW	18.5
• at 690 V / rated value	kW	15
Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value	A	1,260
Depth	mm	110.5
Height	mm	106
Width	mm	90
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Active power loss / per conductor / typical	W	4.5
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
Conductor cross section that can be connected		
• for main contacts		
• single- or multi-stranded	mm²	2.5 … 35
• stranded	mm²	2.5 … 35
• stranded wire / with conductor end processing / maximum	mm²	16
• for auxiliary contacts		
• finely stranded		
• with conductor end processing	mm²	0.75 … 2.5
• single- or multi-stranded	mm²	0.75 … 4
• stranded	mm²	0.75 … 4
Type of the connectable conductor cross-section		
• for auxiliary contacts / solid		50
• for main contacts / finely stranded / with conductor end processing		16
• for auxiliary contacts		
• finely stranded / with conductor end processing		2x (0.75 ... 1.5 mm2), 1x 2.5 mm2
Ambient temperature / during operating	°C	25 … 55
Protection against electrical shock		finger-safe
Operating cycles / maximum	1/h	50
Acceptability for application		
• main switch		Yes
• switch disconnector		Yes

• maintenance/repair switch		Yes
• safety cut-out switch		Yes
• emergency stop switch		No
Product extension / optional		
• motor drive		No
• voltage trigger		No
Mounting type		
• front mounting with central attachment		No
• front mounting with 4-hole attachment		Yes
Operating frequency		
• initial value	Hz	50
• final value	Hz	60
Design of the fuse link / for short-circuit protection of the main circuit / necessary		fuse gL/gG: 63 A
Service power / at AC-23 A		
• at 400 V / rated value	kW	22
• at 690 V / rated value	kW	18.5
Insulation voltage / of the auxiliary switch / rated value	V	500
Continuous current / of the auxiliary contact / rated value	A	10
Item designation		
• according to DIN EN 61346-2		S

Certificates/approvals:

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

other	
Declaration of Conformity	Environmental Confirmations

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/3LD2504-1TL51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3LD2504-1TL51/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2504-1TL51

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

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT

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