SIEMENS

Data sheet 3LD2566-4VD51



MAIN SWITCH 6-POLE IU=63, P/AC-23A AT 400V=22KW 1NO+1NC, 1 N-TERMINAL MOULDED-PLASTIC ENCLOSURED, IP65

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		6
Type of device		fixed mounting
Protection against electrical shock		finger-safe
Mechanical service life (switching cycles) / of the main contacts / typical		100 000
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	Α	63
Short-time current resistance (Icw) / at 690 V / limited to 1 s / Rated value	Α	1 260
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	22
• at AC-23 A / at 690 V / Rated value	kW	18.5
• at AC-3 / at 400 V / Rated value	kW	18.5
• at AC-3 / at 690 V / Rated value	kW	15
Operating voltage		
with AC / at 50/60 Hz / Rated value	V	690
Operating current / at AC-21 / Rated value	Α	63
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Operating voltage / of the auxiliary contacts / with AC / maximum	V	500
Continuous current / of the auxiliary contact / Rated value	Α	10
Insulation voltage / of the auxiliary switch / Rated	V	500
value		
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 / 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	2.5
— single or multi-stranded / maximum	mm²	35
— finely stranded / with core end processing /	mm²	16
maximum		
— stranded / minimum	mm²	2.5
— stranded / maximum	mm²	35
 for auxiliary contacts 		

single or multi-stranded / minimum mm² 0.75 single or multi-stranded / maximum mm² 4 finely stranded / with core end processing / mm² 0.75 minimum finely stranded / with core end processing / mm² 0.75 minimum finely stranded / with core end processing / mm² 2.5 maximum stranded / minimum mm² 4 stranded / maximum mm² 4 Type of connectable conductor cross-section for main contacts / finely stranded / with core end processing for auxiliary contacts solid finely stranded / with core end processing Type of electrical connection for main current circuit for auxiliary contacts for auxiliary contacts for auxiliary contacts Requirements Design of the fuse link for short-circuit protection of the main circuit / required for short-circuit protection of the auxiliary switch / required Mechanical Design Height floor mounting floor mounting Mounting type front mounting finely stranded / with core end processing solid floor mounting floor mounting floor mounting floor mounting finely stranded / with core end processing floor mounting floor mounting floor mounting finely stranded / with core end processing floor mounting floor floor floor floor mounting floor	ı, 1x 2.5 mm2
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minimum — finely stranded / with core end processing / maximum — stranded / minimum mm² 0.75 — stranded / maximum mm² 4 Type of connectable conductor cross-section • for main contacts / finely stranded / with core end processing • for auxiliary contacts — solid 50 — finely stranded / with core end processing Type of electrical connection • for main current circuit connection effor auxiliary contacts Requirements Design of the fuse link • for short-circuit protection of the main circuit / required • for short-circuit protection of the auxiliary switch / required Mechanical Design Height mm 302 Width mm 212 Depth mm 181 Mounting type • front mounting Mounting type • front mounting	ı, 1x 2.5 mm2
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Height mm 302 Width mm 212 Depth mm 181 Mounting type front mounting No	
Width mm 212 Depth mm 181 Mounting type floor mounting Mounting type No	
Depth mm 181 Mounting type floor mounting Mounting type No	
Mounting type Mounting type • front mounting No	
Mounting type ● front mounting No	
• front mounting No	
• front mounting with 4-hole attachment No	
• front mounting with central attachment Yes	
Side-by-side mounting No	
• rail mounting No	
Environmental conditions	
Ambient temperature	
• during operation / minimum °C -25	
• during operation / maximum °C 55	
Certificates	
Equipment marking	
• acc. to DIN EN 61346-2	

General Product Approval











other

Declaration of Conformity	Test Certificates	Shipping Approval		other	
CE	Special Test Certificate	(GL®)	Lloyd's Register	Environmental Confirmations	
EG-Konf.		GL	LRS		

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/3LD25664VD51

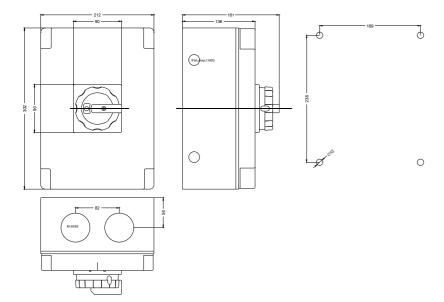
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3LD25664VD51/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD25664VD51

CAx-Online-Generator

http://www.siemens.com/cax

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



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