SIEMENS

Data sheet 3LD2164-0TB51



MAIN CONTROL SWITCH 3-POLE IU=25, P/AC-23A AT 400V=9,5KW 1 N-TERMINAL + 1 PE-TERMINAL ENCAPSUL.IN M.P.ENCLOSURE, IP65 ROTARY ACTUATOR BLACK METRIC THREAD

Model		
product brand name		SENTRON
Product designation		Switch disconnector
Design of the product		Switch Disconnector 3LD
Design of the operating mechanism		central hole
Type of the driving mechanism / motor drive		No

General technical data		
Number of poles		3
Number of poles / Note		N + PE
Type of device		fixed mounting
Operating frequency / maximum	1/h	50

Voltage		
Insulation voltage / rated value	V	690
Surge voltage resistance / rated value	kV	6

Protection class		
Protection class IP / on the front		IP65

Dissipation

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Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	1.1

Electricity

Continuous current / rated value	A	25
Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value	A	640

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	9.5
• at AC-23 A / at 690 V / rated value	kW	9.5
• at AC-3 / at 400 V / rated value	kW	7.5
• at AC-3 / at 690 V / rated value	kW	7.5
Operating voltage		
• at AC / at 50/60 Hz / rated value	V	690

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	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
• 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

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Type of connectable conductor cross-sections		
• for auxiliary contacts		
— solid		2x (0,75 ... 2,5 mm2), 1x 4 mm2
— finely stranded / with core end processing		2x (0.75 ... 1.5 mm2), 1x 2.5 mm2
— stranded		2x (0,75 ... 2,5 mm2), 1x 4 mm2
Type of electrical connection		
• for main current circuit		box terminals
• for auxiliary contacts		connection terminals

Requirements

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

Mechanical Design

Height	mm	152
Width	mm	100
Depth	mm	117
Mounting type		floor mounting
Mounting type		
• front mounting with 4-hole attachment		No
• front mounting with central attachment		Yes
• rail mounting		No
Net weight	g	467

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	55

Certificates

Equipment marking		
• acc. to DIN EN 61346-2		S
• acc. to DIN EN 81346-2		SF

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General Product Approval

CCC CSA UL VDE

sonstig

Declaration of Conformity	Test Certificates	Shipping Approval		other
EG-Konf.	sonstig	GL	LRS	Umweltbestätigung

Further information

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

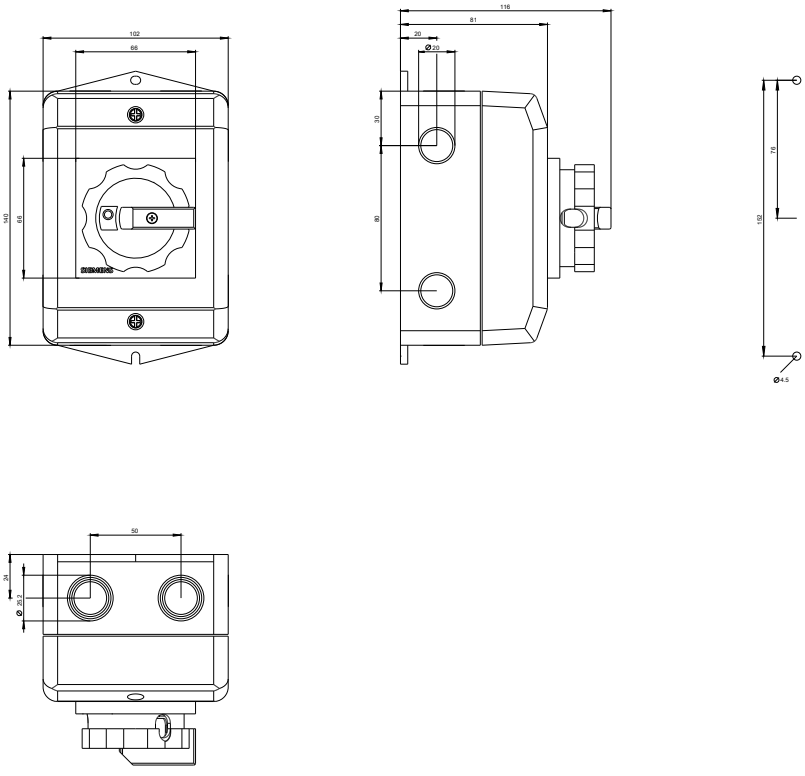
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3LD21640TB51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3LD21640TB51/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD21640TB51

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

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



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