

SENTRON, 3LD switch disconnecter, main switch, 3- pole, Iu:63 A, Operational power / at AC-23 A at 400 V: 22 kW, front-mounted, rotary operating mechanism, black, 4- hole mounting of the handle



Model	
product brandname	SENTRON
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	3
Type of device	fixed mounting
Operating frequency / maximum	50 1/h
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Protection class	
Protection class IP / on the front	IP65
Dissipation	
Power loss [W]	4.5 W
• for rated value of the current / at AC / in hot operating state / per pole	
Electricity	

Continuous current / rated value	63 A
Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value	1 260 A

Main circuit

Operating frequency	
• initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
• at AC-23 A / at 400 V / rated value	22 kW
• at AC-23 A / at 690 V / rated value	18.5 kW
• at AC-3 / at 400 V / rated value	18.5 kW
• at AC-3 / at 690 V / rated value	15 kW
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

Auxiliary circuit

Operating voltage / of auxiliary contacts / at AC / maximum	500 V
Continuous current / of the auxiliary contact / rated value	10 A
Insulation voltage / of the auxiliary switch / rated value	500 V

Suitability

Suitability for use	
• Main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes
• maintenance/repair switch	Yes

Product details

Product feature / interlock	Yes
Product extension / optional	
• motor drive	No
• Voltage trigger	No

Connections

Type of electrical connection	
• for auxiliary contacts	connection terminals

Requirements

Design of the fuse link	
• for short-circuit protection of the main circuit / required	fuse gL/gG: 63 A

- for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 10 A

Mechanical Design

Height	106 mm
Width	90 mm
Depth	110.5 mm
Mounting type	
• front mounting with 4-hole attachment	Yes
• front mounting with central attachment	No
• rail mounting	No
Net weight	405 g

Environmental conditions

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

Certificates

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

General Product Approval	Declaration of Conformity	Test Certificates	other
 CCC	 EG-Konf.	spezielle Prüfbescheinigungen n	Umweltbestätigung

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2504-0TK51>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3LD2504-0TK51/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2504-0TK51

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



