

SENTRON, 3LD switch disconnecter, main switch, 6- 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 brand name	SENTRON
Product designation	3LD Switch disconnecter
Design of the product	Main switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of the operating mechanism	Short rotary knob
Design of handle	rotary operating mechanism, black
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	6
Type of device	fixed mounting
Type of switch	front mounted
Size of switch disconnecter	3
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	IP65
Protection class IP / on the front	IP65
Dissipation	
Power loss [W]	4.5 W
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	
Electricity	
Current / at AC / rated value	63 A
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	
<ul style="list-style-type: none"> initial value 	50 Hz
<ul style="list-style-type: none"> Full-scale value 	60 Hz
Operating power	
<ul style="list-style-type: none"> at AC-23 A / at 400 V / rated value 	22 kW
<ul style="list-style-type: none"> at AC-23 A / at 690 V / rated value 	18.5 kW
<ul style="list-style-type: none"> at AC-3 / at 400 V / rated value 	18.5 kW
<ul style="list-style-type: none"> at AC-3 / at 690 V / rated value 	15 kW
Operating voltage	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Main switch 	Yes
<ul style="list-style-type: none"> switch disconnecter 	Yes
<ul style="list-style-type: none"> EMERGENCY OFF switch 	No
<ul style="list-style-type: none"> safety switch 	Yes
<ul style="list-style-type: none"> maintenance/repair switch 	Yes
Product details	
Product feature / interlock	Yes
Product extension / optional	
<ul style="list-style-type: none"> motor drive 	No

• Voltage trigger	No
Short-time current resistance (I _{cw}) / limited to 1 s / rated value	1 260 kA

Connections

Type of electrical connection	Box terminal connection terminals
• for main current circuit	
• for auxiliary contacts	

Requirements

Design of the fuse link	fuse gL/gG: 63 A
• for short-circuit protection of the main circuit / required	
• 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	Built-in unit fixed-mounted version
Mounting type	
• front mounting with 4-hole attachment	Yes
• front mounting with central attachment	No
• rail mounting	No
Net weight	744 g

Environmental conditions

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

Certificates

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

General Product Approval	Declaration of Conformity	Test Certificates	other
 CCC	 EG-Konf.	Special Test Certificate	Environmental Confirmations
 CSA			
 UL			

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=3LD2504-3VK51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2504-3VK51>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2504-3VK51

CAX-Online-Generator

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

Tender specifications

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

