

Switch disconnecter 3LD3, main switch 3-polig + N, lu 63A
operational switch at AC-23 A at 400 V 22,0 kW Distribution board
mounting Base mounting with knob-operated mechanism with
auxiliary 1NO+1NC

Model	
Product brand name	SENTRON
Product designation	3LD Switch disconnecter
Design of the product	Switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of handle	without
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	4
Type of device	fixed mounting
Type of switch	DIN-rail 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	IP20
Protection class IP / on the front	IP20
Dissipation	
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole	4.5 W
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	1 000 A
Main circuit	
Operating frequency • initial value • Full-scale value	50 Hz 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	Yes
• safety switch	Yes
• maintenance/repair switch	Yes
Product details	
Product feature / interlock	Yes
Product extension / optional	
• motor drive	No
• Voltage trigger	No
Short-time current resistance (I_{cw}) / limited to 1 s / rated value	1 000 kA
Number of NC contacts	1
Number of NO contacts	1
Connections	
Type of electrical connection	
• for main current circuit	Box terminal
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	60 mm

Width	60 mm
Depth	64 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	Yes
Net weight	200 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

Declaration of Conformity



EG-Konf.

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=3LD3410-1TL05>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3410-1TL05>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3410-1TL05

CAX-Online-Generator

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

Tender specifications

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