

Switch disconnecter 3LD3, main switch 3-polig + N, lu 16A
operational switch at AC-23 A at 400 V 7,5 kW Distribution board
mounting Base mounting without 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	0.5 W
Electricity	
Current / at AC / rated value	16 A
Continuous current / rated value	16 A
Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value	500 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	7.5 kW
at AC-23 A / at 690 V / rated value	7.5 kW
at AC-3 / at 400 V / rated value	5.5 kW
at AC-3 / at 690 V / rated value	5.5 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	500 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
- for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 20 A

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
- front mounting with central attachment
- rail mounting

No

No

Yes

Net weight

200 g

Environmental conditions

Ambient temperature

- during operation / minimum
- during operation / maximum

-25 °C

55 °C

Certificates

Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

S

SF

Declaration of Conformity



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=3LD3010-1TL05>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3010-1TL05>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3010-1TL05

CAX-Online-Generator

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

Tender specifications

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



