

Load disconnecter 3LD3, Iu 40 A Main switch 3-pole Rated operating capacity at AC-23 A at 400 V 15.0 kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive black 66x66 mm



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
General technical data	
Number of poles	3
Number of poles / Note	3
Type of device	fixed mounting
Type of switch	front mounted
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
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.5 W
<b>Electricity</b>	
Current / at AC / rated value	40 A
Continuous current / rated value	40 A
Continuous current / of upstream fuse / rated value	40 A
Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value	1 000 A
<b>Main circuit</b>	
Operating frequency	
• initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
• at AC-23 A / at 400 V / rated value	18.5 kW
• at AC-23 A / at 690 V / rated value	15 kW
• at AC-3 / at 400 V / rated value	11.5 kW
• at AC-3 / at 690 V / rated value	11.5 kW
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
<b>Auxiliary circuit</b>	
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	500 V
Continuous current / of the auxiliary contact / rated value	10 A
Insulation voltage / of the auxiliary switch / rated value	500 V
<b>Suitability</b>	
<b>Suitability for use</b>	
• Main switch	Yes
• switch disconnector	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes
• maintenance/repair switch	Yes
<b>Product details</b>	
Product feature / interlock	Yes

Number of bracket locks / maximum	3
Hasp thickness / of bracket locks / minimum	4 mm
Hasp thickness / of bracket locks / maximum	8 mm
Product extension / optional	
• motor drive	No
• Voltage trigger	No

### Short circuit

Conditional short-circuit current / with line-side fuse protection	
• at 690 V / by gG fuse / rated value	6 kA
Number of NC contacts	0
Number of NO contacts	0

### Connections

<b>Type of connectable conductor cross-sections</b>	
• for copper conductor / solid	1x (2.5 to 16 mm <sup>2</sup> )
• for copper conductor / stranded	1x (2.5 to 16 mm <sup>2</sup> )
• for auxiliary contacts / solid	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
• for auxiliary contacts / finely stranded / with core end processing	2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
• for auxiliary contacts / stranded	2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
<b>Type of electrical connection</b>	
• for main current circuit	box terminal
• for auxiliary contacts	Box terminals

### Requirements

Design of the fuse link	
• for short-circuit protection of the main circuit / required	fuse gL/gG: 40 A
• for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A

### Mechanical Design

Height	60 mm
Width	36 mm
Depth	114 mm
Mounting type	Built-in unit fixed-mounted version
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	Yes
• rail mounting	No
Net weight	200 g

### Environmental conditions

Ambient temperature	
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- during operation / minimum
- during operation / maximum

-25 °C

55 °C

## Certificates

### Reference code

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

S

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=3LD3354-0TK51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3354-0TK51>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD3354-0TK51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3354-0TK51)

### CAX-Online-Generator

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

### Tender specifications

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



