

Switch disconnecter 3LD3, main switch 3-polig, Iu 63A operational switch at AC-23 A at 400 V 22,0 kW Distribution board mounting Base mounting with knob-operated mechanism black

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	selector switch
Design of handle	knob-operated mechanism, black
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	3
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	IP44
Protection class IP / on the front	IP44
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 (Icw) / at 690 V / limited to 1 s / rated value	1 000 A
Main circuit	
Operating frequency	50 Hz
<ul style="list-style-type: none"> initial value 	
<ul style="list-style-type: none"> Full-scale value 	

Operating power	
<ul style="list-style-type: none"> • at AC-23 A / at 400 V / rated value • at AC-23 A / at 690 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value 	<p>22 kW</p> <p>18.5 kW</p> <p>18.5 kW</p> <p>15 kW</p>
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 • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>

Product details	
Product feature / interlock	Yes
Product extension / optional	
<ul style="list-style-type: none"> • motor drive • Voltage trigger 	<p>No</p> <p>No</p>
Short-time current resistance (I_{cw}) / limited to 1 s / rated value	1 000 kA
Number of NC contacts	0
Number of NO contacts	0

Connections	
Type of electrical connection	
<ul style="list-style-type: none"> • for main current circuit 	Box terminal

Requirements	
Design of the fuse link	
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit / required • for short-circuit protection of the auxiliary switch / required 	<p>fuse gL/gG: 63 A</p> <p>fuse gL/gG: 10 A</p>

Mechanical Design	
Height	60 mm

Width	36 mm
Depth	77 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=3LD3430-0TK11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3430-0TK11>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3430-0TK11

CAX-Online-Generator

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

Tender specifications

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