

SENTRON, Switch disconnecter 3LD, main switch, 3-pole, Iu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, installation in distribution boards, knob-operated mechanism, black, handle direct at the switch



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
Size of switch disconnecter	1
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	IP40
Protection class IP / on the front	IP40

Dissipation	
Power loss [W]	0.5 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	16 A
Continuous current / rated value	16 A
Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value	340 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 	7.5 kW
<ul style="list-style-type: none"> at AC-23 A / at 690 V / rated value 	7.5 kW
<ul style="list-style-type: none"> at AC-3 / at 400 V / rated value 	5.5 kW
<ul style="list-style-type: none"> at AC-3 / at 690 V / rated value 	5.5 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	340 A

Connections

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

Requirements

Design of the fuse link	
• for short-circuit protection of the main circuit / required	fuse gL/gG: 20 A
• for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A

Mechanical Design

Height	45 mm
Width	53 mm
Depth	91 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	168 g

Certificates

• Reference identifier / acc. to DIN EN 61346-2	S
• Reference identifier / acc. to DIN EN 81346-2	SF

General Product Approval

Declaration of Conformity



[Miscellaneous](#)



Test Certificates	Shipping Approval	other
Special Test Certificate	 LRS	Environmental Confirmations

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=3LD2030-0TK11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2030-0TK11>

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

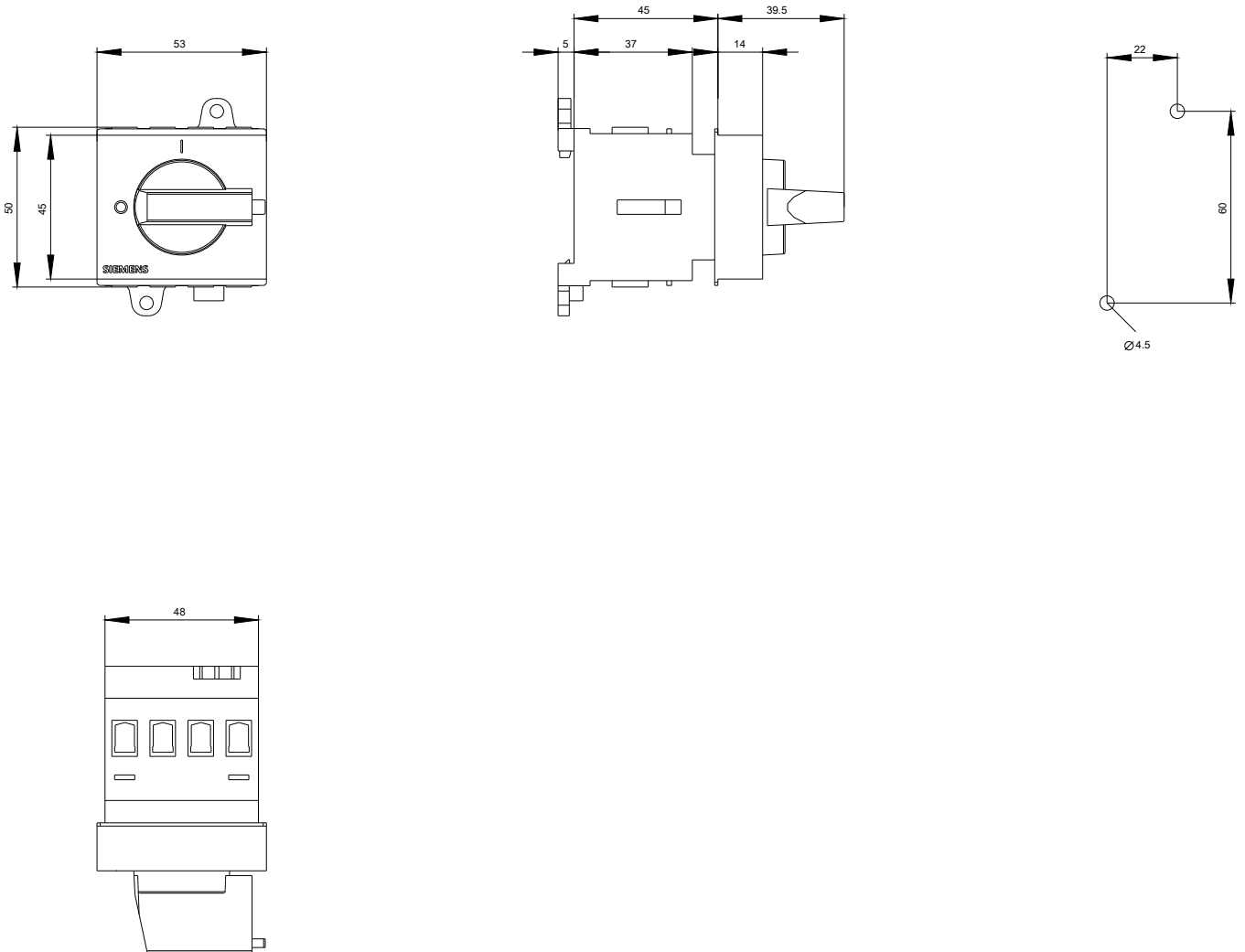
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2030-0TK11

CAX-Online-Generator

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

Tender specifications

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



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