



SENTRON, Switch disconnecter 3LD, main switch, 3-pole, Iu: 160 A, Operating power / at AC-23 A at 400 V: 75 kW, floor mounting with door coupling, knob-operated mechanism, black, 4-hole mounting of the handle

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 actuating element	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	Floor mounting with door coupling
size of switch disconnecter	5
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	6 000
I _{2t} value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	185 kA ² .s
let-through I _{2t} value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	185 kA ² .s
operating frequency / maximum	50 1/h
Voltage	
insulation voltage / rated value	690 V
surge voltage resistance / rated value	8 kV
Protection class	
protection class IP	IP65
degree of protection NEMA rating	1, 3R, 4X, 12
protection class IP / on the front	IP65
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	36 W
• per conductor / typical	36 W
Current	
operational current	
• at 40 °C / rated value	160 A
• at 45 °C / rated value	160 A

• at 50 °C / rated value • at 55 °C / rated value • at AC / rated value • at AC-23 A / at 400 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-21 A / at 440 V / rated value	160 A
operational current / of upstream fuse / rated value	160 A
let-through current / with closed switch	
• at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible	15 kA
15 kA	
Main circuit	
operating power	
• at AC-23 A / at 240 V / rated value • at AC-23 A / at 400 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 690 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value	75 kW
	75 kW
	75 kW
	45 kW
	35 kW
	50 kW
	37 kW
operational current / rated value	160 A
Auxiliary circuit	
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
Suitability	
suitability for use	
• main switch • switch disconnecter • EMERGENCY OFF switch • safety switch • maintenance/repair switch	Yes
	Yes
	No
	Yes
	Yes
Appearance	
color / of the actuating element	black
Product details	
product feature	
• can be locked into OFF position	Yes
number of bracket locks / maximum	3
hasp thickness / of the bracket locks / minimum	4 mm
hasp thickness / of the bracket locks / maximum	6 mm
product extension / optional	
• motor drive • voltage trigger	No
	No
Short circuit	
conditional short-circuit current / with line-side fuse protection	
• at 690 V / by gG fuse / rated value	50 kA
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	180 A
operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value	600 V
active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value	75



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Test Certificates

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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=3LD2318-0TK11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2318-0TK11>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2318-0TK11

CAX-Online-Generator

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

Tender specifications

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





