



SENTRON, Molded case switch 3LD5 UL, Main switch, 3-pole, certified according to UL489 UL60947-4-1 and IEC60947-3, UL: 60A, SCCR 50kA at 480VAC, Operating power at 480VAC 3-phase: 40hp, IEC: 63A, Operating power at AC-23A at 400V: 30kW, floor mounting with direct handle, black, incl. terminal covers for the infeed side

Model	
product brand name	SENTRON
product designation	Switch disconnecter
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	Floor mounting with direct drive
design of the actuating element	selector switch
color of the actuating element	black
design of handle	knob-operated mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnecter	2
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	6 kV
operating voltage	
• at AC rated value	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP00
protection class IP on the front	IP00
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	7.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 240 V rated value	63 A
• at AC-21 A at 400 V rated value	63 A
• at AC-21 A at 440 V rated value	63 A
• at AC-23 A at 400 V rated value	63 A
operating power	

• at AC-23 A at 240 V rated value	18.5 kW
• at AC-23 A at 400 V rated value	30 kW
• at AC-23 A at 440 V rated value	30 kW
• at AC-23 A at 690 V rated value	37 kW
• at AC-3 at 240 V rated value	18.5 kW
• at AC-3 at 400 V rated value	30 kW
• at AC-3 at 690 V rated value	30 kW

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

Suitability

suitability for use	
• main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	Yes
• maintenance/repair switch	Yes

Product details

product feature can be locked into OFF position	Yes
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accessories

product extension optional	
• motor drive	No
• voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	4
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	1
hasp thickness of the bracket locks	4 ... 6 mm

Short circuit

conditional short-circuit current with line-side fuse protection	
• at 440 V by gG fuse rated value	50 kA
• at 690 V by gG fuse rated value	50 kA
let-through current with closed switch	
• at 240 V for combination switch + gG fuse maximum	8 kA
• at 440 V for combination switch + gG fuse maximum	8 kA
• at 690 V for combination switch + gG fuse maximum permissible	7 kA
I ² t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	30 kA ² .s
• at 440 V for combination switch + gG fuse maximum	30 kA ² .s
• at 690 V for combination switch + gG fuse maximum	24 kA ² .s
design of the fuse link	
• for short-circuit protection of the main circuit required	fuse gL/gG: 63 A
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value	63 A

according UL

operational current at AC according to UL 489/UL 60947-4-1 rated value	60 A
operational current at AC according to UL 508/UL 60947-4-1 rated value	60 A
operating voltage at AC at 50/60 Hz according to UL 489 rated value	480 V
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	480 V
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	30
short-time withstand current (SCCR) at 480 V according to UL	50 kA

508/UL 60947-4-1 and UL 489	
continuous current of upstream fuse according to UL rated value	60 A
type of fuse according to UL	Class J

Connections

AWG number as coded connectable conductor cross section solid maximum	
•	1
•	12
AWG number as coded connectable conductor cross section solid according to UL 489	
• minimum	12
• maximum	1
AWG number as coded connectable conductor cross section solid according to CSA C22.2 No. 5-16	
• minimum	10
• maximum	4
type of connectable conductor cross-sections for copper conductor	
• solid	1x (4...50mm ²)
• finely stranded with core end processing	1x (4...35mm ²)
• stranded	1x (4...50mm ²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.75 ... 2.5 mm ²), 1x 4 mm ²
• finely stranded with core end processing	2x (0.75 ... 1.5 mm ²), 1x 2.5 mm ²
• stranded	2x (0.75 ... 2.5 mm ²), 1x 4 mm ²
type of electrical connection	
• for main current circuit	box terminal
• for auxiliary contacts	connection terminals

Mechanical Design

height	106 mm
width	70 mm
depth	95 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
• 4-hole front mounting	No
• front mounting with central attachment	No
• rail mounting	Yes
net weight	370 g

Environmental conditions

ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C

Approvals Certificates

General Product Approval



[Confirmation](#)



other	Environment
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[Miscellaneous](#)

[Confirmation](#)

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Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3LD5200-0TK11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD5200-0TK11>

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

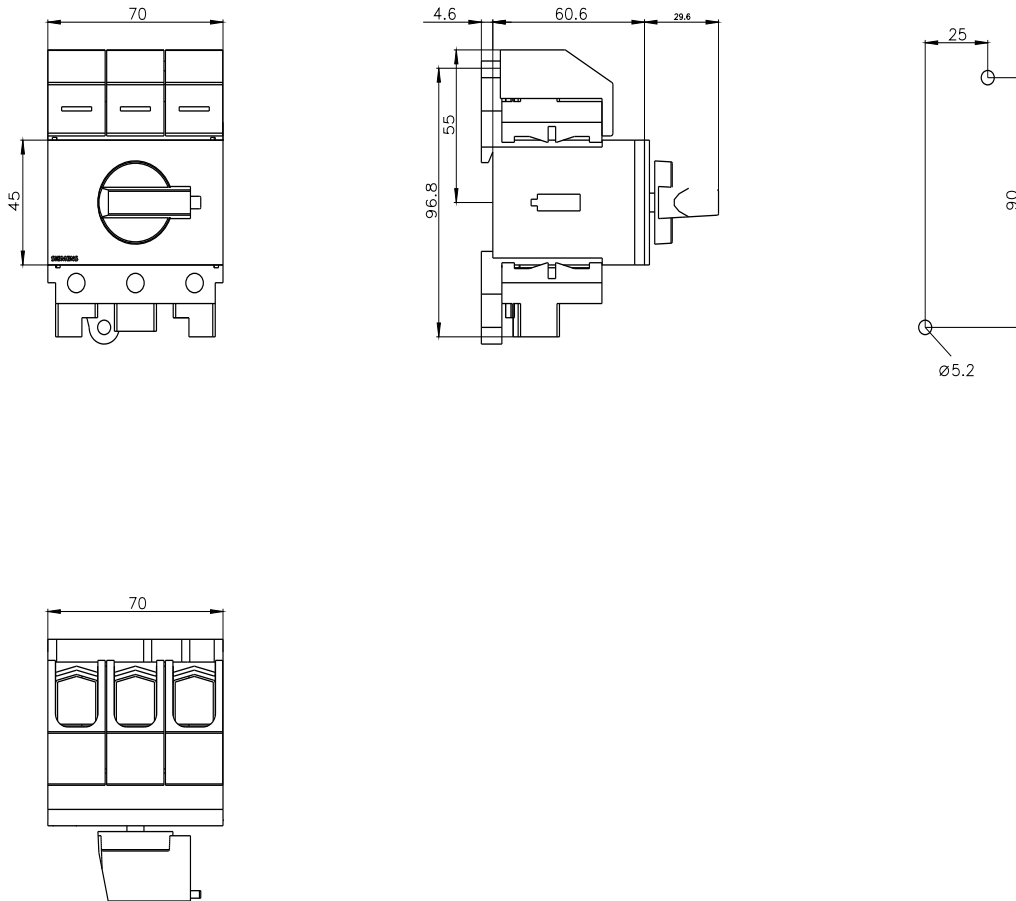
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD5200-0TK11

CAX-Online-Generator

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

Tender specifications

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



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