



SETRON, Switch disconnecter 3LD, main switch, 4-pole, Iu: 16 A, Operating power / at AC-23 A at 400 V: 7.5 kW, front-mounted, knob-operated mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SETRON
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	front mounted
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	4
size of switch disconnecter	1
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	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	0.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	16 A
• at AC-21 A at 240 V rated value	16 A
• at AC-21 A at 400 V rated value	16 A
• at AC-21 A at 440 V rated value	16 A

<ul style="list-style-type: none"> • at AC-23 A at 400 V rated value 	16 A
operating power	
<ul style="list-style-type: none"> • at AC-23 A at 240 V rated value 	4 kW
<ul style="list-style-type: none"> • at AC-23 A at 400 V rated value 	8 kW
<ul style="list-style-type: none"> • at AC-23 A at 440 V rated value 	7.5 kW
<ul style="list-style-type: none"> • at AC-23 A at 690 V rated value 	8 kW
<ul style="list-style-type: none"> • at AC-3 at 240 V rated value 	3 kW
<ul style="list-style-type: none"> • at AC-3 at 400 V rated value 	6 kW
<ul style="list-style-type: none"> • at AC-3 at 690 V rated value 	5.5 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
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use main switch	Yes
suitability for use switch disconnecter	Yes
suitability for use EMERGENCY OFF switch	No
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
Product details	
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
<ul style="list-style-type: none"> • motor drive 	No
<ul style="list-style-type: none"> • voltage trigger 	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	2
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	2
hasp thickness of the bracket locks	4 ... 6 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
<ul style="list-style-type: none"> • at 690 V by gG fuse rated value 	50 kA
let-through current with closed switch	
<ul style="list-style-type: none"> • at 240 V for combination switch + gG fuse maximum 	3 kA
<ul style="list-style-type: none"> • at 440 V for combination switch + gG fuse maximum 	3 kA
<ul style="list-style-type: none"> • at 690 V for combination switch + gG fuse maximum permissible 	3 kA
I²t value with closed switch	
<ul style="list-style-type: none"> • at 240 V for combination switch + gG fuse maximum 	2.5 kA ² .s
<ul style="list-style-type: none"> • at 440 V for combination switch + gG fuse maximum 	2.5 kA ² .s
<ul style="list-style-type: none"> • at 690 V for combination switch + gG fuse maximum 	3 kA ² .s
design of the fuse link	
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit required 	fuse gL/gG: 20 A
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A
operational current of upstream fuse rated value	20 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	16 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	7.5
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	10
short-time withstand current (SCCR) at 600 V according to	5 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
<ul style="list-style-type: none">•	10
<ul style="list-style-type: none">•	18
type of connectable conductor cross-sections for copper conductor	
<ul style="list-style-type: none">• solid	1x (1...6mm²)
<ul style="list-style-type: none">• finely stranded with core end processing	1x (1...4mm²)
<ul style="list-style-type: none">• stranded	1x (1..6mm²)
type of connectable conductor cross-sections for auxiliary contacts	
<ul style="list-style-type: none">• solid	lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 ... 2,5mm²)
<ul style="list-style-type: none">• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 ... 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
<ul style="list-style-type: none">• stranded	lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 ... 2,5mm²)
type of electrical connection	
<ul style="list-style-type: none">• for main current circuit	box terminal
<ul style="list-style-type: none">• for auxiliary contacts	connection terminals
Mechanical Design	
height	66 mm
width	49 mm
depth	89.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
<ul style="list-style-type: none">• 4-hole front mounting	Yes
<ul style="list-style-type: none">• front mounting with central attachment	No
<ul style="list-style-type: none">• rail mounting	No
net weight	196 g
Environmental conditions	
ambient temperature during operation	
<ul style="list-style-type: none">• minimum	-25 °C
<ul style="list-style-type: none">• maximum	55 °C
ambient temperature during storage	
<ul style="list-style-type: none">• minimum	-25 °C
<ul style="list-style-type: none">• maximum	55 °C
Approvals Certificates	
General Product Approval	
Test Certificates	other



[Confirmation](#)



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other

Environment

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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=3LD2022-1TL11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2022-1TL11>

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

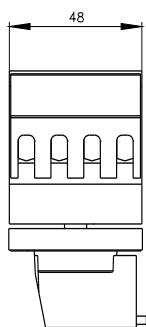
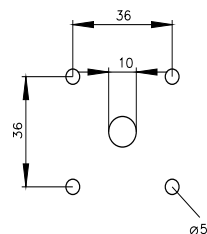
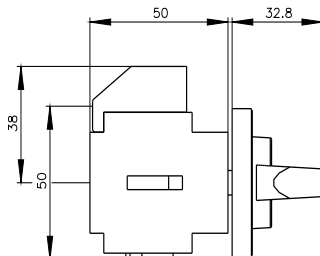
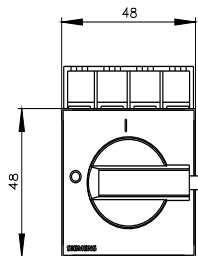
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2022-1TL11

CAX-Online-Generator

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

Tender specifications

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





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