SIEMENS

Data sheet 3LD2203-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, front-mounted, rotary operating mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
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	Short rotary knob
color of the actuating element	black
design of handle	rotary operating mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	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	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	1.8 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	32 A
• at AC-21 A at 240 V rated value	32 A
• at AC-21 A at 400 V rated value	32 A
• at AC-21 A at 440 V rated value	32 A

at AC-23 A at 400 V rated value	22 A
operating power	LL /\
at AC-23 A at 240 V rated value	6 kW
at AC-23 A at 240 V rated value at AC-23 A at 400 V rated value	12 kW
at AC-23 A at 400 V rated value at AC-23 A at 440 V rated value	11.5 kW
at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value	12 kW
at AC-23 A at 690 V rated value at AC-3 at 240 V rated value	5.5 kW
at AC-3 at 400 V rated value at AC-3 at 400 V rated value	10 kW
at AC-3 at 400 V rated value at AC-3 at 690 V rated value	9.5 kW
Auxiliary circuit	9.5 KW
number of CO contacts for auxiliary contacts	0
-	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	500 V
operating voltage of auxiliary contacts at AC maximum	10 A
continuous current of the auxiliary contact rated value	500 V
insulation voltage of the auxiliary switch rated value Suitability	500 V
	Ver
suitability for use main switch	Yes
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	No Voc
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
Product details	Von
product feature can be locked into OFF position accessories	Yes
product extension optional	
motor drive	No
voltage trigger number of connectable NC contacts for auxiliary contacts	No 3
attachable maximum	
number of connectable NO contacts for auxiliary contacts attachable maximum	3
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	4 8 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
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 	4.5 kA
 at 440 V for combination switch + gG fuse maximum 	4.5 kA
at 690 V for combination switch + gG fuse maximum permissible	5 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	9 kA2.s
 at 440 V for combination switch + gG fuse maximum 	9 kA2.s
at 690 V for combination switch + gG fuse maximum	9 kA2.s
design of the fuse link	
• for short-circuit protection of the main circuit required	fuse gL/gG: 40 A
for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value	40 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	
operating voltage at AC at 50/60 Hz according to UL 508/UL	32 A
60947-4-1 rated value	32 A 600 V
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	
active power [hp] at AC at 480 V according to UL 508/UL	600 V

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	80 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	8
•	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (1,516mm²)
 finely stranded with core end processing 	1x (1,510mm²)
stranded	1x (1,516mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
 finely stranded with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	83 mm
width	67 mm
depth	92.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
• 4-hole front mounting	Yes
 front mounting with central attachment 	No
• rail mounting	No
net weight	204 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





General Product Approval

Marine / Shipping

other

Miscellaneous









Confirmation

other Environment

<u>Miscellaneous</u> <u>Environmental Confirmations</u>

Environmental Confirmations

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=3LD2203-0TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2203-0TK51

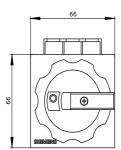
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2203-0TK51

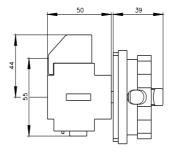
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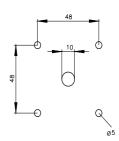
http://www.siemens.com/cax

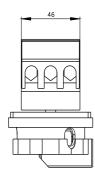
Tender specifications

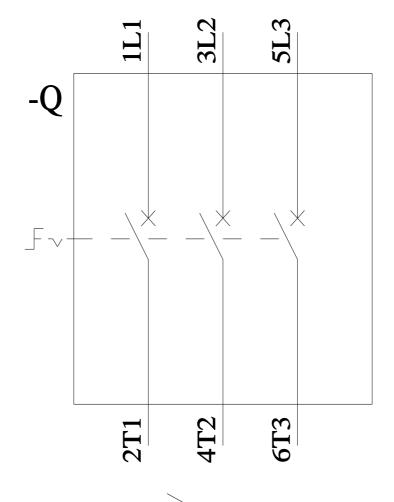
http://www.siemens.com/specifications

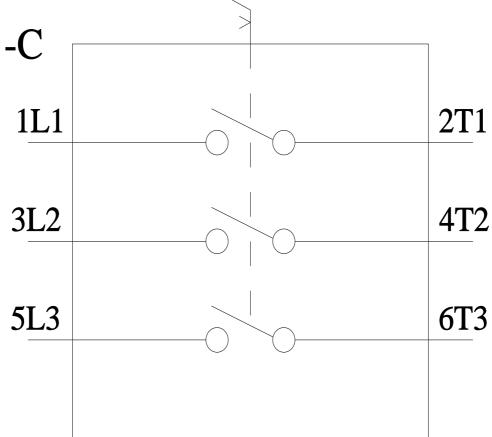












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