SIEMENS

Data sheet

3LD2254-0TK51



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, central mounting 22.5 mm 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

anorating power	
operating power • at AC-23 A at 240 V rated value	6 kW
	12 kW
at AC-23 A at 400 V rated value	12 KW
at AC-23 A at 440 V rated value	
at AC-23 A at 690 V rated value	12 kW
• at AC-3 at 240 V rated value	5.5 kW
• at AC-3 at 400 V rated value	10 kW
• at AC-3 at 690 V rated value	9.5 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
Suitability	
suitability for use	
main switch	Yes
 switch disconnector 	Yes
EMERGENCY OFF switch	No
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
product feature can be locked into OFF position	Yes
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	2
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	
	32 \
operational current at AC according to UL 508/UL 60947-4-1 rated value	32 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	20
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	20
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	5 kA
continuous current of upstream fuse according to UL rated value	80 A

AWG number as coded connectable conductor cross section solid maximum 8 • 14 type of connectable conductor cross-sections for copper conductor 1x (1,516mm²) • solid 1x (1,516mm²) • finely stranded with core end processing 1x (1,510mm²) • stranded 1x (1,516mm²) • finely stranded with core end processing 1x (1,516mm²) • solid 1x (1,516mm²) • finely stranded with core end processing 1x (1,516mm²) • stranded 1x (1,516mm²) • finely stranded with core end processing 2x (0.75 2.5 mm²), 1x 4 mm² • solid 2x (0.75 2.5 mm²), 1x 4 mm² • finely stranded with core end processing 2x (0.75 2.5 mm²), 1x 4 mm² • for main current circuit box terminal • for auxiliary contacts connecton	type of fuse according to UL	RK5
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Information on the packaging

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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=3LD2254-0TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2254-0TK51

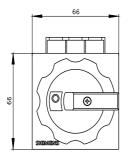
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2254-0TK51

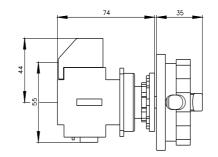
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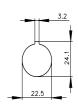
http://www.siemens.com/cax

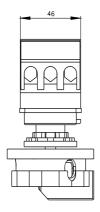
Tender specifications

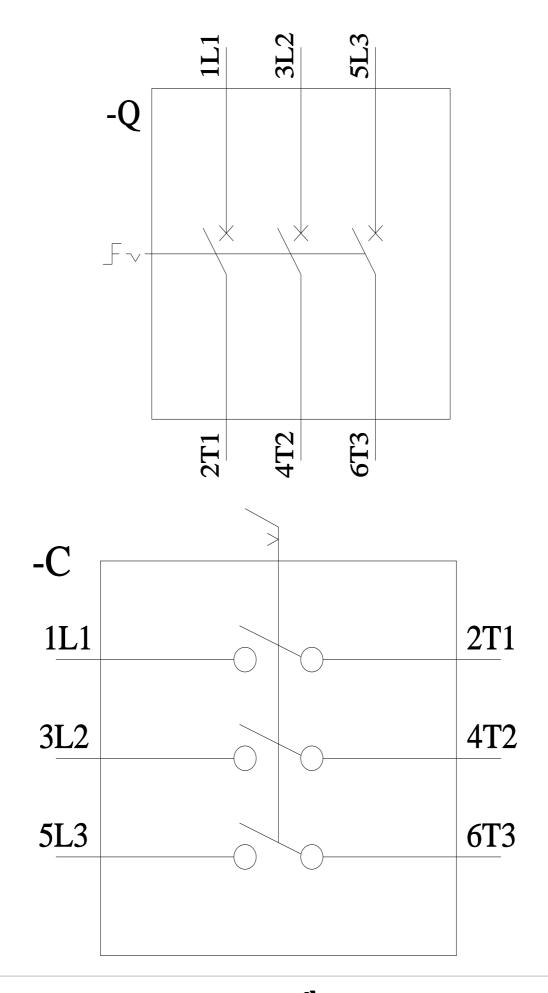
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