SIEMENS

Data sheet 3LD2730-0TK11



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 100 A, Operating power / at AC-23 A at 400 V: 37 kW, installation in distribution boards, knoboperated mechanism, black, handle direct at the switch

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	DIN-rail mounting	
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 disconnector	4	
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	IP40	
protection class IP on the front	IP40	
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	100 A	
 at AC-21 A at 240 V rated value 	100 A	
 at AC-21 A at 400 V rated value 	100 A	
• at AC-21 A at 440 V rated value	100 A	
 at AC-23 A at 400 V rated value 	70 A	

operating power at AC-23 A at 240 V rated value at AC-23 A at 400 V rated value 37 kW at AC-23 A at 400 V rated value 37 kW at AC-23 A at 400 V rated value 37 kW at AC-32 A at 690 V rated value 38 kW at AC-33 at 320 V rated value 48 AC-3 at 690 V rated value 59 kW 48 AC-3 at 690 V rated value 29 kW Auxiliary circuit 10 umber of NC contacts for auxiliary contacts 10 umber of Contacts for auxiliary con
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 at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 64 kA2.s 64 kA2.s
• at 690 V for combination switch + gG fuse maximum 64 kA2.s
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design of the fuse link
 ◆ for short-circuit protection of the main circuit required fuse gL/gG: 100 A
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A
operational current of upstream fuse rated value 100 A
according UL
operational current at AC according to UL 508/UL 60947-4-1 100 A rated value
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value 600 √
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value
active power [hp] at AC at 600 V according to UL 508/UL 75 60947-4-1 rated value
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1

continuous current of upstream fuse according to UL rated value	200 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	1
•	12
type of connectable conductor cross-sections for copper conductor	
• solid	1x (450mm²)
 finely stranded with core end processing 	1x (435mm²)
• stranded	1x (450mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	83 mm
width	71 mm
depth	97 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	357 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



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Miscellaneous

General Product Approval

Marine / Shipping

other

Environment

EAC



Confirmation

Miscellaneous

Environmental Confirmations Environmental Confirmations

urther 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=3LD2730-0TK11

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

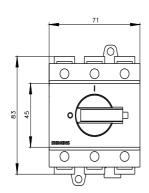
https://support.industry.siemens.com/cs/ww/en/ps/3LD2730-0TK11

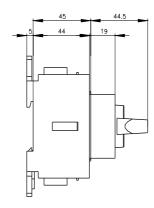
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=3LD2730-0TK11

CAx-Online-Generator http://www.siemens.com/cax

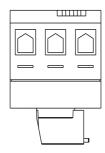
Tender specifications

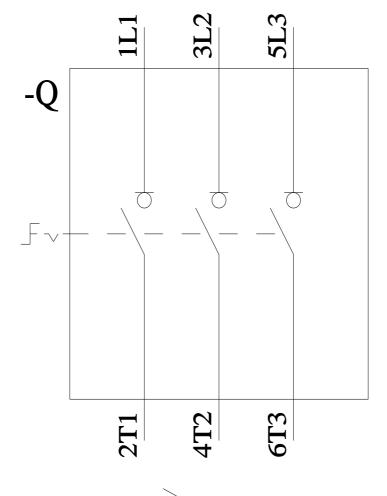
http://www.siemens.com/specifications

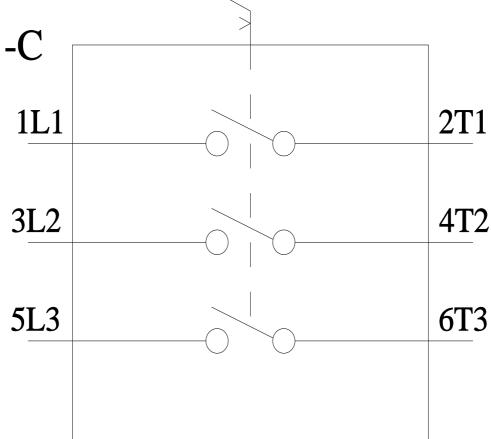












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