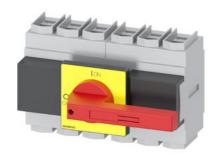
SIEMENS

Data sheet 3LD2305-3VK13

SENTRON, Switch disconnector 3LD, emergency switching-off switch, 6- pole, Iu: 160 A, operating power / at AC-23 A 400 V: 75 kW, front-mounted, knob-operated mechanism, red/yellow, 4-hole mounting of the handle



Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP 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	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	6
size of switch disconnector	5
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	8 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	36 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	160 A
 at AC-21 A at 240 V rated value 	160 A
• at AC-21 A at 400 V rated value	160 A
• at AC-21 A at 440 V rated value	160 A
• at AC-23 A at 400 V rated value	132 A

operating power • at AC-23 A at 240 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-3 at 480 V rated value • at AC-3 at 440 V rated value • at AC-3 at 440 V rated value • at AC-3 at 400 V rated value • at AC-3 at 400 V rated value • at AC-3 at 690 V rated value • o No contacts for auxiliary contacts • o number of NC contacts for auxiliary contacts • o operating voltage of auxiliary contacts • o operating voltage of auxiliary contacts at AC maximum • continuous current of the auxiliary switch rated value • to AC • out of the auxiliary switch rated value • out of the auxiliary switch rated value • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • ves • maintenance/repair switch Yes Product details product eature can be locked into OFF position • woltage trigger product extension optional • motor drive • voltage trigger No number of connectable NC contacts for auxiliary contacts at atachable maximum number of connectable NC contacts for auxiliary contacts 3	
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number of connectable NC contacts for auxiliary contacts attachable maximum 3	
attachable maximum	
number of connectable CO contacts for auxiliary contacts attachable maximum	
number of bracket locks maximum 3	
hasp thickness of the bracket locks 4 6 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 15 kA	
• at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 15 kA	
 at 690 V for combination switch + gG fuse maximum permissible 	
12t value with closed switch	
• at 240 V for combination switch + gG fuse maximum 185 kA2.s	
• at 440 V for combination switch + gG fuse maximum 185 kA2.s	
• at 690 V for combination switch + gG fuse maximum 185 kA2.s	
design of the fuse link	
• for short-circuit protection of the main circuit required fuse gL/gG: 160 A	
• for short-circuit protection of the auxiliary switch required • full short-circuit protection of the auxiliary switch required • full short-circuit protection of the auxiliary switch required	
operational current of upstream fuse rated value 160 A	
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value 180 A	
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	
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 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			
• minimum	1		
• maximum	4/0		
type of connectable conductor cross-sections for copper conductor			
• solid	1x (16185mm²)		
 finely stranded with core end processing 	1x (16150mm²)		
• stranded	1x (16185mm²)		
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	168 mm		
width	224 mm		
depth	106 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	3 974 g		
Environmental conditions			
ambient temperature during operation			
• minimum	-25 °C		
• maximum	55 °C		
ambient temperature during storage			
• minimum	-25 °C		
• maximum	55 °C		
General Product Approval		Declaration of Conformity	





Confirmation







Declaration of Conformity

Test Certificates

other

Environment



Special Test Certificate

Type Test Certificates/Test Report

Miscellaneous

Confirmation

Environmental Confirmations

urther information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3LD2305-3VK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2305-3VK13

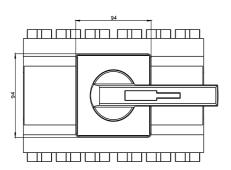
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2305-3VK13

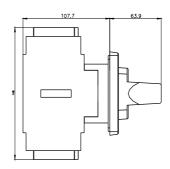
CAx-Online-Generator

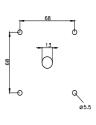
http://www.siemens.com/cax

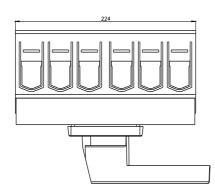
Tender specifications

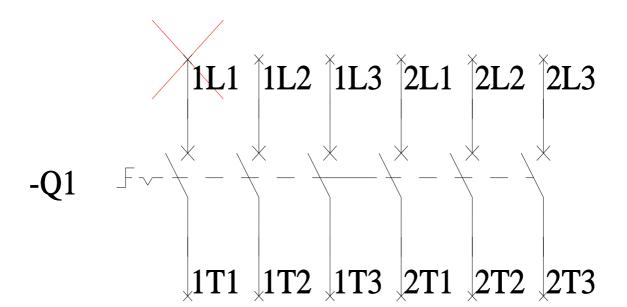
http://www.siemens.com/specifications











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