SIEMENS

Data sheet 3KD3042-2NE10-0



SWITCH-DISCONNECTOR 100A, FRAME SIZE 2, 4-POLE FRONT OPERATING LEFT COMPLETE ASSEMBLY WITH DIRECT HANDLE GREY BOX TERMINAL

Model		
product brand name		SENTRON
Product designation		Switching device
Design of the product		3KD switch disconnectors
Design of the operating mechanism		manual operating mechanism
Design of handle		Direct operating mechanism, gray
Type of the driving mechanism / motor drive		No
General technical data		
Number of poles		4
Type of device		fixed mounting
circuit-breaker / Design		3KD3
Mechanical service life (switching cycles) / typical		15 000
Overvoltage category		III
Voltage		
Insulation voltage / Rated value	V	1 000
Surge voltage resistance / Rated value	kV	8
Protection class		
Protection class IP		IP20
Protection class IP / on the front		IP20
Dissipation		
Active power loss		
 with conventional rated thermal current / per pole 	W	3

Electricity		
Continuous current		
Rated value	Α	100
● at 40 °C / Rated value	Α	100
• at 45 °C / Rated value	Α	100
• at 50 °C / Rated value	Α	100
• at 55 °C / Rated value	Α	100
• at 60 °C / Rated value	Α	100
• at 65 °C / Rated value	Α	100
• at 70 °C / Rated value	Α	100
Short-time current resistance (lcw) / limited to 1 s / Rated value	kA	4
Main circuit		
Operating power		
● at AC-23 A / at 400 V / at 50/60 Hz / Rated value	kW	55
● at AC-23 A / at 500 V / at 50/60 Hz / Rated value	kW	55
 at AC-23 A / at 690 V / at 50/60 Hz / Rated value 	kW	90
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		4
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
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 / interlock		Yes
Product component		
Trip indicator		No
 Voltage trigger 		No
undervoltage release		No
 undervoltage release with leading contact 		No
Product expansion		

Auxiliary switch	Yes	
• optional		
— motor drive	No	
— Voltage trigger	No	

Connections	
Type of electrical connection	
• for main current circuit	Box terminal

Mechanical Design		
Height	mm	126
Width	mm	148
Depth	mm	97
mounting position		any
Mounting type		Floor mounting and snap-on mounting to 35 mm standard mounting rail
Mounting type		
 front mounting with 4-hole attachment 		No
 front mounting with central attachment 		No
• rail mounting		Yes

Environmental conditions		
Ambient temperature		
during operation / minimum	°C	-25
during operation / maximum	°C	70
• during storage / minimum	°C	-50
during storage / maximum	°C	80

Certificates		
Equipment marking / acc. to DIN EN 61346-2	Q	

General Product Approval

Declaration of Conformity









Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD30422NE100

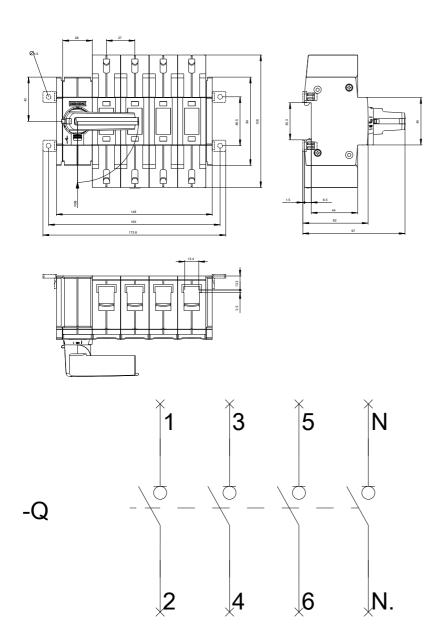
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3KD30422NE100/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD30422NE100

CAx-Online-Generator

http://www.siemens.com/cax



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