SIEMENS

Data sheet 3KD4060-0PE20-0

Switch disconnector 315 A, Size 3, 6-pole DC Front operating mechanism center
Basic unit without handle flat terminal

Model	
product brand name	SENTRON
product designation	3KD switch disconnector
design of the product	DC switch
display version for switch position indicator door-coupling rotary operating mechanism	ON-OFF
design of the actuating element	Without handle
type of the driving mechanism	Front operating mechanism
type of the driving mechanism motor drive	No
General technical data	
number of poles	6
type of device	fixed mounting
size of switch disconnector	3
mechanical service life (operating cycles) typical	15 000
electrical endurance (operating cycles)	
● at DC-21 A at 1000 V	200
position of the switch operating mechanism	after the third pole
overvoltage category	IV
Voltage	
operating voltage with current paths in series	
● with degree of pollution 2 at DC rated value	1200 V / 6
● with degree of pollution 3 at DC rated value	1200 V / 6
insulation voltage	
● with degree of pollution 2 at DC rated value	1 250 V
● with degree of pollution 3 at DC rated value	1 250 V
surge voltage resistance rated value	12 kV
Protection class	
protection class IP	IP00
protection class IP	
● with closed switch with cover or cable lug cover	IP20
● on the front	IP00
Dissipation	
power loss [W]	
● with conventional rated thermal current per pole	10 W
● with conventional rated thermal current per device	60 W
● for rated value of the current at AC in hot operating state per pole	10 W
Main circuit	
operational current rated value	315 A
Auxiliary circuit	

number of connected NC contacts for auxiliary contacts	0
number of connected NO contacts for auxiliary contacts	0
number of connected CO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	6
number of NO contacts for auxiliary contacts	6
Suitability	
suitability for use main switch	Yes
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
Product details	
product feature interlock	No
product component	
● trip indicator	No
● voltage trigger	No
● undervoltage release	No
● undervoltage release with leading contact	No
product extension auxiliary switch	Yes
product extension optional	
● motor drive	No
● voltage trigger	No
Short circuit	
short-circuit current making capacity (Icm) for switch disconnector	
● at DC at 1200 V without fuse link rated value minimum	14.2 kA
Connections	
type of connectable conductor cross-sections for aluminum conductor	
● stranded with lug	1x (25 ... 240 mm²), 2x (25 ... 120 mm²)
type of connectable conductor cross-sections	
● with combination of Al conductor+switch	315 A / 240 mm²
● for copper busbar	'1 x (30 x 10 mm²)
type of connectable conductor cross-sections for copper conductor	
● stranded with lug according to DIN 46234	1x (6 ... 240 mm²), 2x (6 ... 150 mm²)
● stranded with lug according to DIN 46235	1x (16 ... 185 mm²), 2x (16 ...150 mm²)
type of electrical connection for main current circuit	flat connector
Mechanical Design	
height	164 mm
width	322 mm
depth	94 mm
fastening method	screw fixing
fastening method	
● 4-hole front mounting	No
● front mounting with central attachment	No
● rail mounting	No
mounting position	any
net weight	4 840 g
Environmental conditions	
ambient temperature during operation	
● minimum	-25 °C
● maximum	70 °C
ambient temperature during storage	
● minimum	-50 °C
● maximum	80 °C
Certificates	
reference code according to IEC 81346-2	Q
Approvals Certificates	
General Product Approval	**Test Certificates**

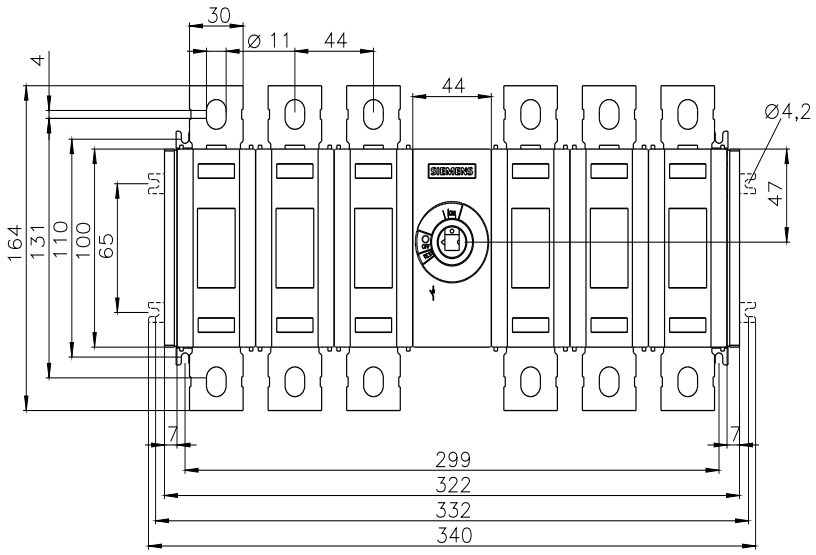
Miscellaneous

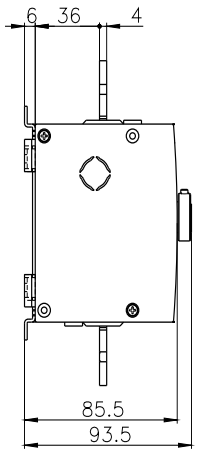
Type Test Certificates/Test Report

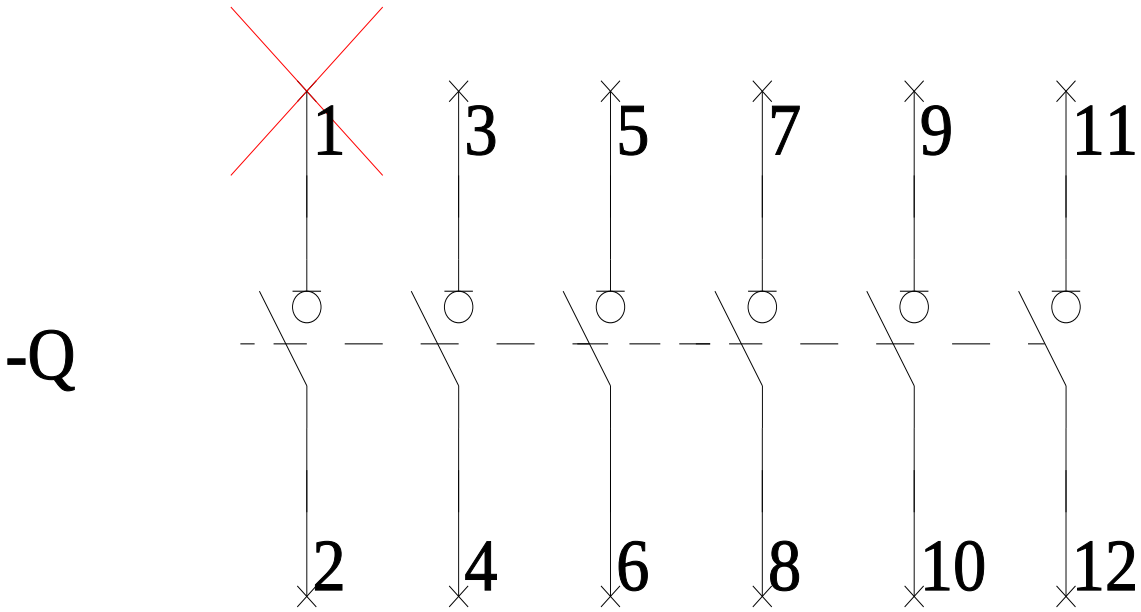
Marine / Shipping		other		Environment	
		Miscellaneous	Confirmation	Environmental Confirmations	Environmental Confirmations

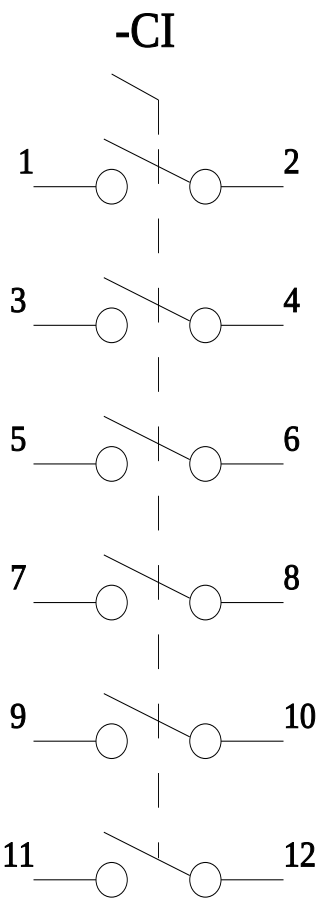
Further information

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=3KD4060-0PE20-0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3KD4060-0PE20-0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4060-0PE20-0
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications









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