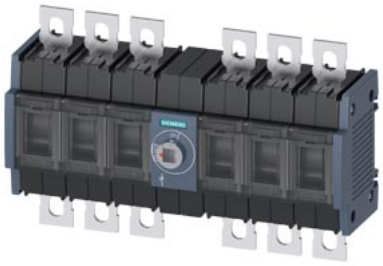
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Data sheet 3KD3460-0NE20-0

Switch disconnector 160 A, Size 2, 6-pole DC Front operating mechanism center
Basic unit without handle flat terminal incl. phase barriers



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	2
mechanical service life (operating cycles) typical	15 000
electrical endurance (operating cycles)	
● at DC-21 A at 1000 V	1 500
position of the switch operating mechanism	after the third pole
overvoltage category	III
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	8 kV
operational current rated value	160 A
● operational current	
— at 40 °C rated value	160 A
— at 45 °C rated value	160 A
— at 50 °C rated value	160 A
— at 55 °C rated value	160 A
— at 60 °C rated value	160 A
— at 65 °C rated value	160 A
— at 70 °C rated value	160 A
Protection class	
protection class IP	IP00
protection class IP	

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● 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	4.6 W
● with conventional rated thermal current per device	27.6 W
● for rated value of the current at AC in hot operating state per pole	4.6 W
Main circuit	
operational current rated value	160 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	4
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
Suitability	
suitability for use main switch	Yes
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use according to IEC 62626-1 safety switch	No
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
product extension optional 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	5.7 kA
Connections	
type of connectable conductor cross-sections for aluminum conductor	
● stranded with lug	1x (10 ... 70 mm²)
type of connectable conductor cross-sections	
● with combination of Al conductor+switch	130A / 70 mm²
● for copper busbar	'1x (20x3 mm²)
type of connectable conductor cross-sections for copper conductor	
● stranded with lug according to DIN 46234	1x (2.5 ... 95 mm²), 2x (25 ... 50 mm²)
● stranded with lug according to DIN 46235	1x (25 ... 70 mm²), 2x (25 ... 50 mm²)
type of electrical connection for main current circuit	flat connector
Mechanical Design	
height	168 mm
width	202 mm
depth	68 mm
fastening method	Screw fixing and standard rail mounting 35 mm
fastening method	
● 4-hole front mounting	No
● front mounting with central attachment	No
● rail mounting	Yes
mounting position	any

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Net Weight	1 778 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

Environment		General Product Approval			
Environmental Con-firmations	Environmental Con-firmations	VDE	Miscellaneous	EAC	Confirmation

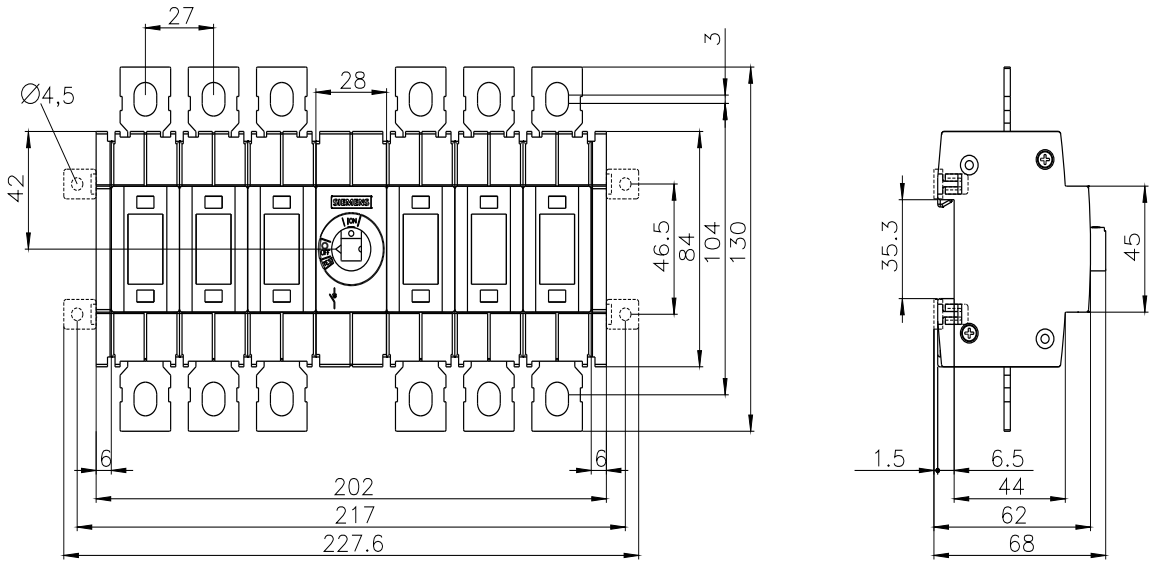
General Product Approval		Test Certificates	Maritime application		other
CE EG-Konf.	UKCA	Type Test Certific-ates/Test Report	DNV	Lloyd's Register LRS	Confirmation

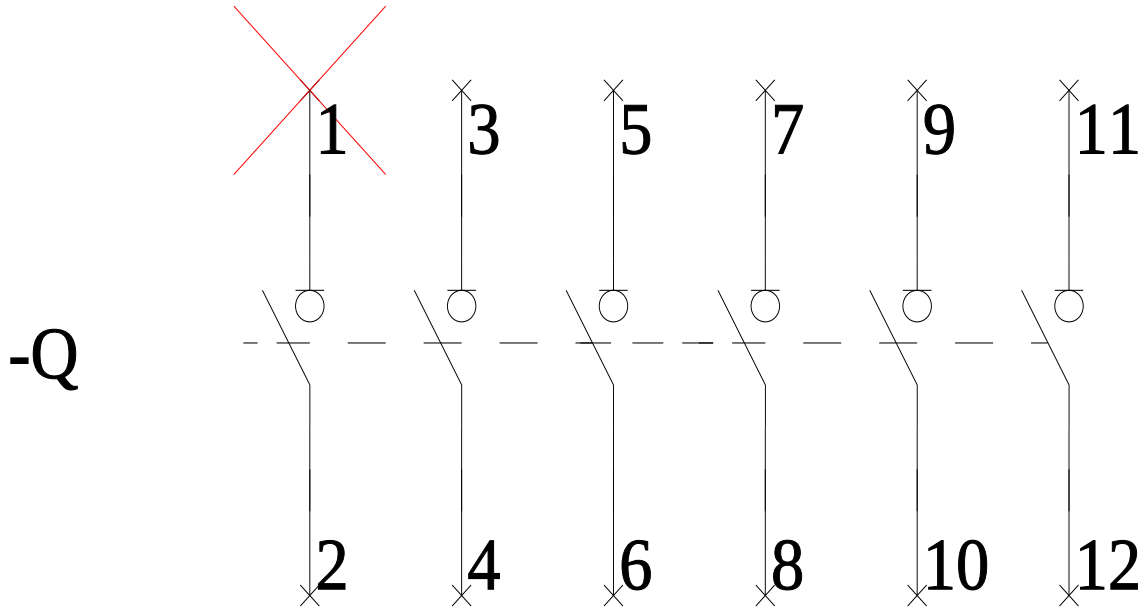
other	
产品合格 QC PASS	Miscellaneous

Further information

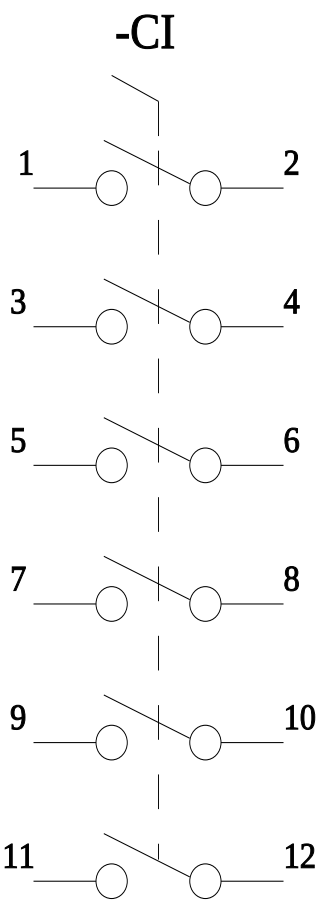
Information on the packaging
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Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
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Industry Mall (Online ordering system)
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
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