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Data sheet 3KF1306-0LB11



switch disconnector with fuse 63 A, frame size 1, 3-pole for LV HRC fuse size 000 and 00 front operating mechanism left basic unit without handle box terminal without fuses

Model	
product brand name	SENTRON
product designation	3KF switch disconnector with fuses
design of the product	3KF switch disconnector with fuses
product version	3KF NH
design of the actuating element	without
design of handle	Without
direction of actuation	from the front
type of the driving mechanism motor drive	No
number of poles	3
size of disconnecting link	00 and 000
size of switch disconnector	1
size of fuse link	NH000, NH00
mechanical service life (operating cycles) typical	15 000
electrical endurance (operating cycles)	
● at AC-23 A at 440 V	10 000
● at AC-23 A at 690 V	6 000
● at DC-23 A at 440 V	1 500
I2t value	
● with closed switch for combination switch + fuse at 500 V maximum	33 200 A²·s
● with closed switch for combination switch + fuse at 400 V maximum	33 200 A²·s
● with closed switch at 690 V for combination switch + gG fuse maximum	40 700 A²·s
● of the fuse at 500 V maximum permissible	34 000 A²·s
● of the gG fuse at 690 V maximum permissible	55 000 A²·s
● of the aM fuse at 690 V maximum permissible	55 000 A²·s
position of the switch operating mechanism	left
fuse system	LV HRC fuse
overvoltage category	IV
operating voltage with current paths in series	
● with degree of pollution 2 at DC rated value	440 / 3
● with degree of pollution 3 at DC rated value	440 / 3
surge voltage resistance rated value	12 kV
Supply voltage	
operating voltage at AC rated value maximum	690 V
Protection class	
protection class IP	IP20
protection class IP	

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● with closed switch with cover or cable lug cover	IP20
● on the front	IP20
Dissipation	
power loss [W]	
● with conventional rated thermal current per pole	1.7 W
● with conventional rated thermal current per device	5.1 W
● with conventional rated thermal current without fuse per pole	1.7 W
● with conventional rated thermal current without fuse per device	5.1 W
● for rated value of the current at AC in hot operating state per pole	1.7 W
● of the fuse per fuse maximum	7.5 W
Main circuit	
operating power at AC-23 A at 500 V rated value	37 kW
operational current rated value	63 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 for use main switch	Yes
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use maintenance/repair switch	Yes
product feature interlock	No
product function phase failure monitoring	No
product component	
● voltage trigger	No
● undervoltage release	No
● undervoltage release with leading contact	No
product feature sealable	Yes
product extension auxiliary switch	Yes
product extension optional locking capability	Yes
product extension optional motor drive	No
product extension optional fuse monitoring	Yes
product function	
● fuse monitoring	No
● overvoltage protection monitoring	No
Short circuit	
short-circuit current making capacity (Icm) for switch disconnector at 690 V AC/440 V DC without fuse link rated value minimum	3.55 kA
conditional short-circuit current with line-side fuse protection	
● at 500 V by gG fuse rated value	100 kA
● at 690 V by gG fuse rated value	100 kA
Connections	
arrangement of electrical connectors for main current circuit	Top and bottom
tightening torque with screw-type terminals	
● minimum	5 N·m
● maximum	6.5 N·m
type of connectable conductor cross-sections with flexible busbar	2x (0.8 x 9 mm²)
type of connectable conductor cross-sections for copper conductor	
● solid	1x (1 ... 16 mm²)
● finely stranded with core end processing	1x (6 ... 25 mm²)

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● stranded	1x (6 ... 25 mm²)
type of electrical connection for main current circuit	box terminal

Mechanical Design

height	122 mm
width	149 mm
depth	130.5 mm
fastening method	Floor mounting and snap-on mounting on 35 mm standard mounting rail
fastening method	
● 4-hole front mounting	No
● front mounting with central attachment	No
● rail mounting	Yes
mounting position	any
Net Weight	1.503 kg

Environmental conditions

ambient temperature during operation	
● minimum	-25 °C
● maximum	70 °C
ambient temperature during storage	
● minimum	-50 °C
● maximum	80 °C

Approvals Certificates

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

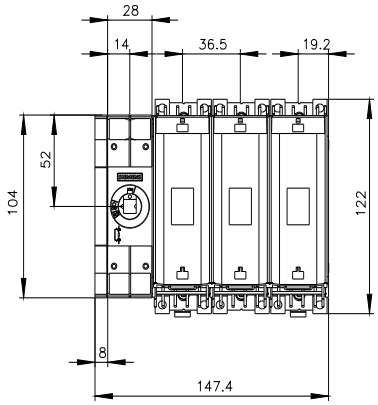
General Product Approval			Test Certificates	Maritime application	other
Confirmation	CE EG-Konf.	UKCA	Type Test Certific-ates/Test Report	DNV	Confirmation

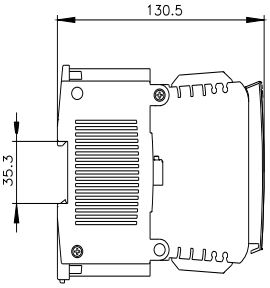
other	
产品合格 QC PASS	Miscellaneous

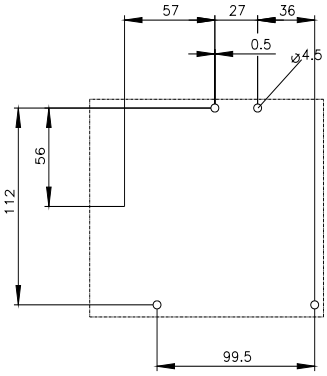
Further information

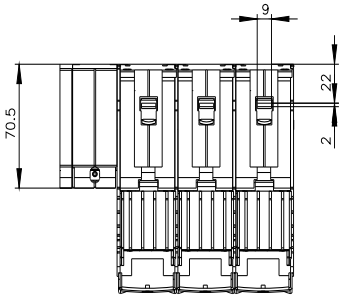
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KF1306-0LB11
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3KF1306-0LB11
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KF1306-0LB11
CAx-Online-Generator
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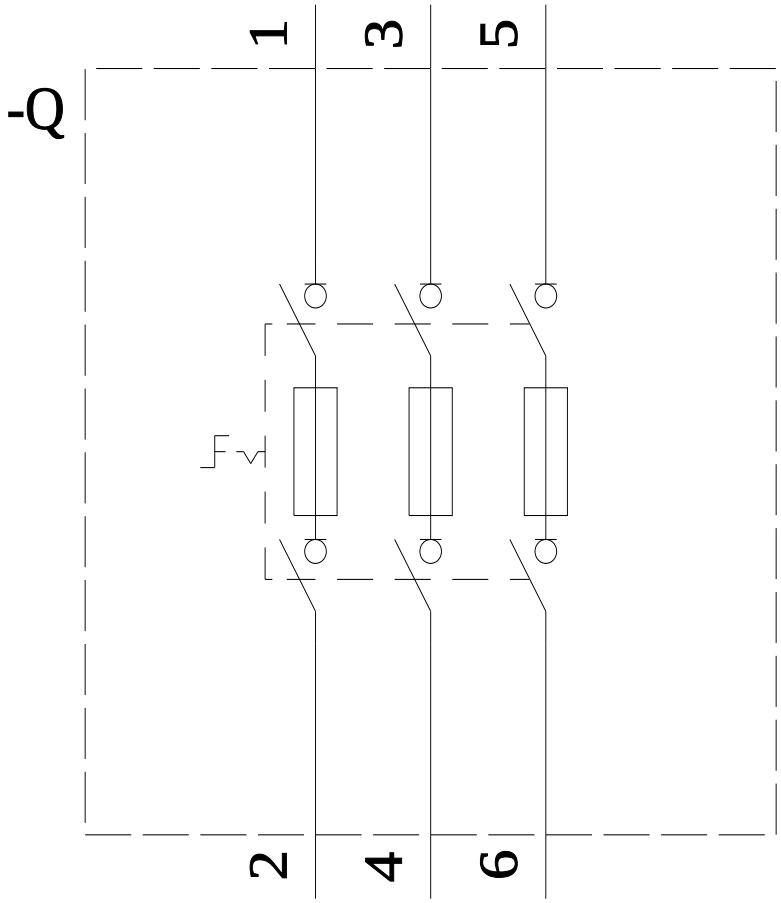
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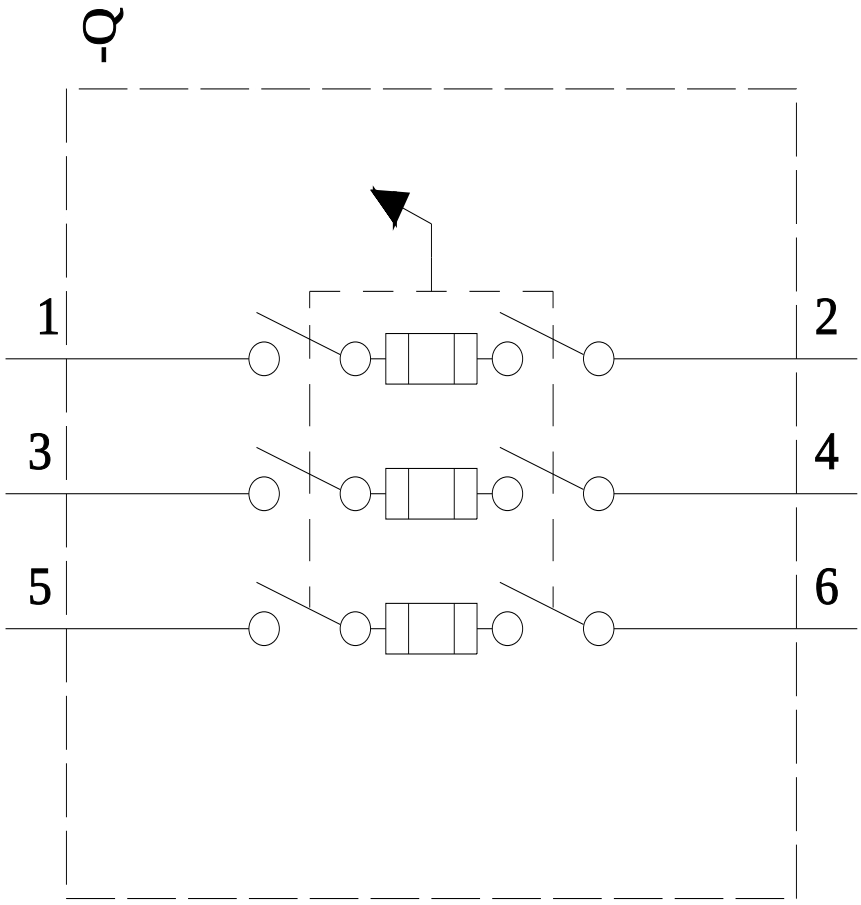








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