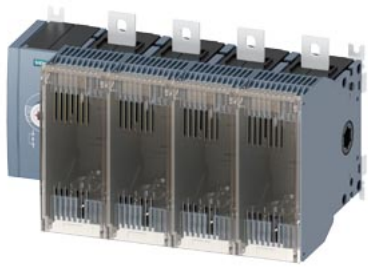
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Data sheet 3KF4440-0LF11



switch disconnector with fuse 400 A, frame size 4, 4-pole for LV HRC fuse size 1 and 2 front operating mechanism left basic unit without handle flat connector 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	4
size of disconnecting link	2 and 1
size of switch disconnector	4
size of fuse link	NH1, NH2
mechanical service life (operating cycles) typical	8 000
electrical endurance (operating cycles)	
● at AC-23 A at 440 V	3 000
● at AC-23 A at 690 V	2 000
● at DC-23 A at 440 V	1 000
I2t value	
● with closed switch for combination switch + fuse at 500 V maximum	1 205 000 A²·s
● with closed switch for combination switch + fuse at 400 V maximum	1 205 000 A²·s
● with closed switch at 690 V for combination switch + gG fuse maximum	1 300 000 A²·s
● of the fuse at 500 V maximum permissible	2 150 000 A²·s
● of the gG fuse at 690 V maximum permissible	2 600 000 A²·s
● of the aM fuse at 690 V maximum permissible	2 600 000 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	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	26 W
● with conventional rated thermal current per device	78 W
● with conventional rated thermal current without fuse per pole	26 W
● with conventional rated thermal current without fuse per device	78 W
● for rated value of the current at AC in hot operating state per pole	26 W
● of the fuse per fuse maximum	34 W
Main circuit	
operating power at AC-23 A at 500 V rated value	280 kW
operational current rated value	400 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	8
number of NO contacts for auxiliary contacts	8
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	24 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	30 N·m
● maximum	44 N·m
type of connectable conductor cross-sections for aluminum conductor stranded with lug	1x (6 ... 240 mm²), 2x (6 ... 150 mm²)
type of connectable conductor cross-sections	
● for copper busbar	1x (30 x 10 mm²)
type of connectable conductor cross-sections for copper conductor	

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● 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	215 mm
width	363 mm
depth	206.5 mm
fastening method	floor mounting
fastening method	
● 4-hole front mounting	No
● front mounting with central attachment	No
● rail mounting	No
mounting position	any
Net Weight	9.403 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 Confirmations	Environmental Confirmations	CCC	VDE	Miscellaneous	EAC

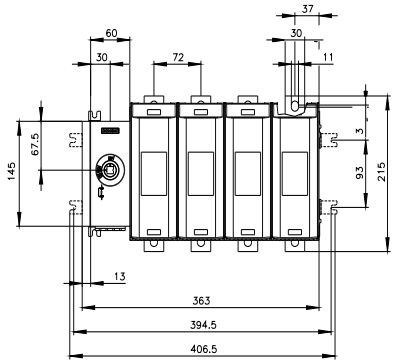
General Product Approval			Test Certificates	Maritime application	other
Confirmation	CE EG-Konf.	UKCA	Type Test Certificates/Test Report	DNV	Confirmation

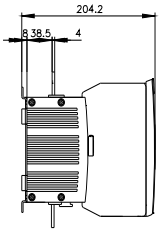
other	
产品合格 QC PASS	Miscellaneous

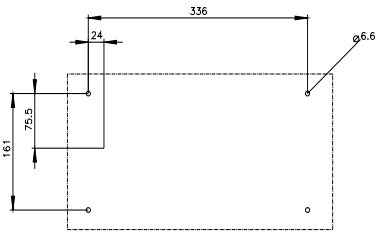
Further information

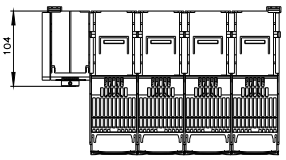
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KF4440-0LF11
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3KF4440-0LF11
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KF4440-0LF11
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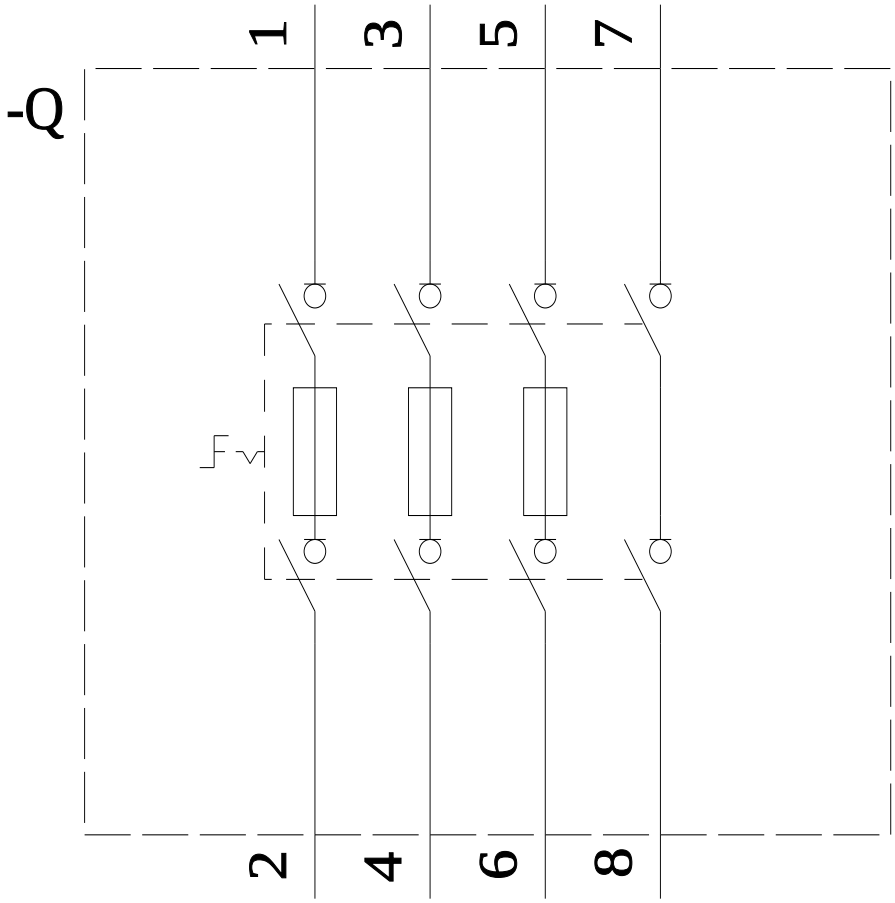
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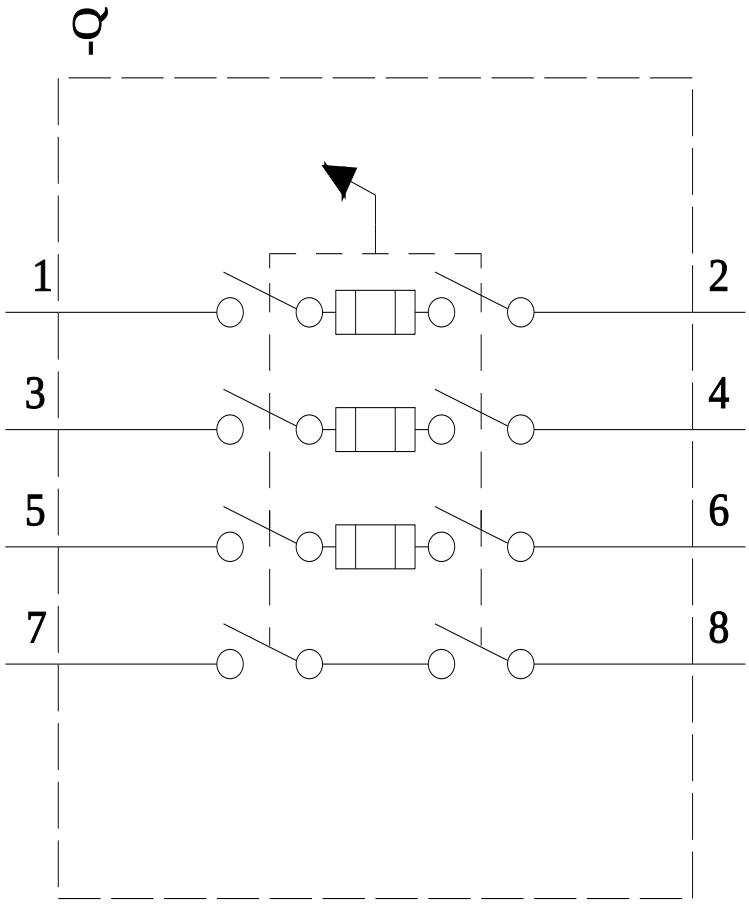








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