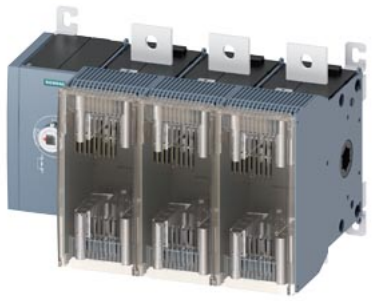
SIEMENS

Data sheet 3KF5380-0LF11



Switch disconnector with fuse 800 A, Size 5, 3-pole for LV HRC fuse Sz. 2 and 3
Front operating mechanism left Basic unit without handle flat terminal

Model	
product brand name	SENTRON
product designation	3KF switch disconnector with fuses
design of the product	3KF switch disconnector with fuses
product variations	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	3 and 2
size of switch disconnector	5
size of fuse link	NH2, NH3
mechanical service life (operating cycles) typical	6 000
electrical endurance (operating cycles)	
● at AC-23 A at 440 V	1 500
● at AC-23 A at 690 V	1 000
● at DC-23 A at 440 V	500
I2t value	
● with closed switch for combination switch + fuse at 500 V maximum	4 100 000 A²·s
● with closed switch for combination switch + fuse at 400 V maximum	4 100 000 A²·s
● with closed switch at 690 V for combination switch + gG fuse maximum	2 050 000 A²·s
● of the fuse at 500 V maximum permissible	10 400 000 A²·s
● of the gG fuse at 690 V maximum permissible	7 000 000 A²·s
● of the aM fuse at 690 V maximum permissible	7 000 000 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	
● 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	50 W
● with conventional rated thermal current per device	150 W
● with conventional rated thermal current without fuse per pole	50 W
● with conventional rated thermal current without fuse per device	150 W
● for rated value of the current at AC in hot operating state per pole	50 W
● of the fuse per fuse maximum	60 W
Main circuit	
operating power at AC-23 A at 500 V rated value	560 kW
operational current rated value	800 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
● switch disconnector	Yes
● EMERGENCY OFF switch	Yes
● safety switch	Yes
● maintenance/repair switch	Yes
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
● motor drive	No
● 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	44 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	80 kA
Connections	
arrangement of electrical connectors for main current circuit	Top and bottom
tightening torque with screw-type terminals	
● minimum	50 N·m
● maximum	75 N·m
type of connectable conductor cross-sections for aluminum conductor stranded with lug	1x (25 ... 300 mm²), 2x (25 ... 300 mm²)
type of connectable conductor cross-sections	
● for copper busbar	2x (50 x 5 mm²)
type of connectable conductor cross-sections for copper conductor	
● stranded with lug according to DIN 46234	1x (25 ... 240 mm²), 2x (25 ... 240 mm²)
● stranded with lug according to DIN 46235	1x (25 ... 300 mm²), 2x (25 ... 300 mm²)
type of electrical connection for main current circuit	flat connector

Mechanical Design	
height	270 mm
width	395 mm
depth	262 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	15 150 g

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

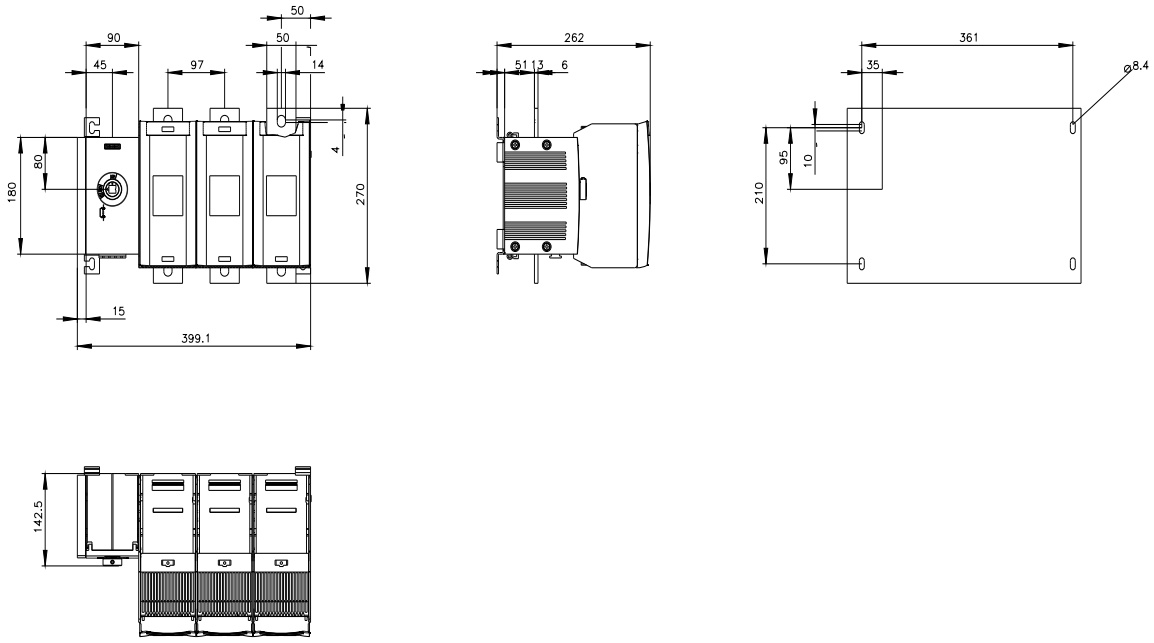
Approvals Certificates

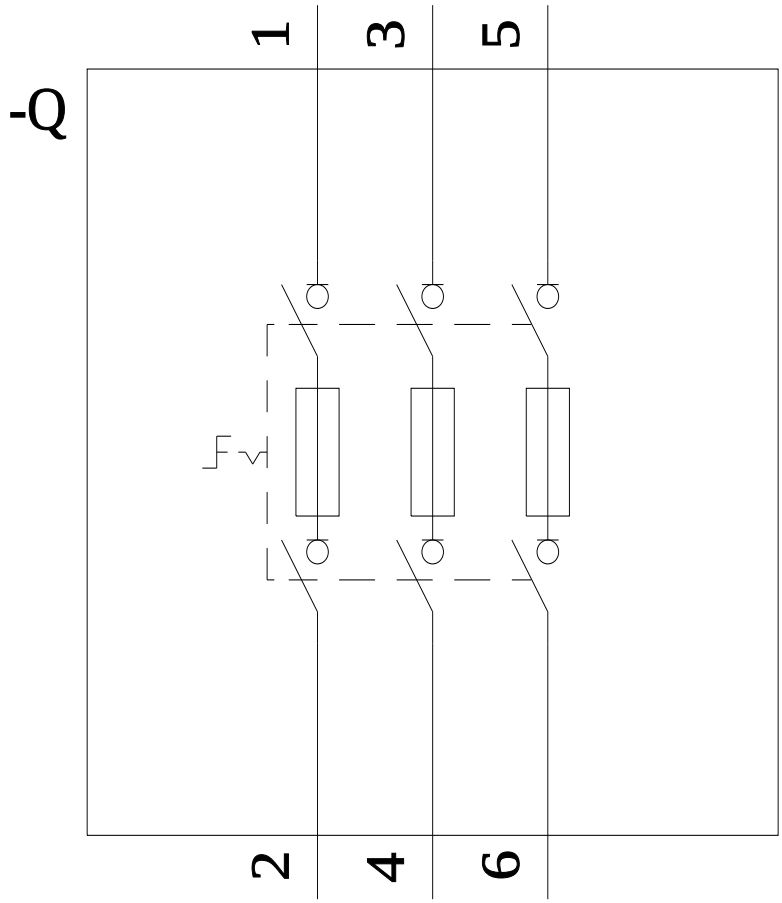
General Product Approval					Declaration of Conformity
Confirmation	CCC	VDE	Miscellaneous	EAC	UKCA

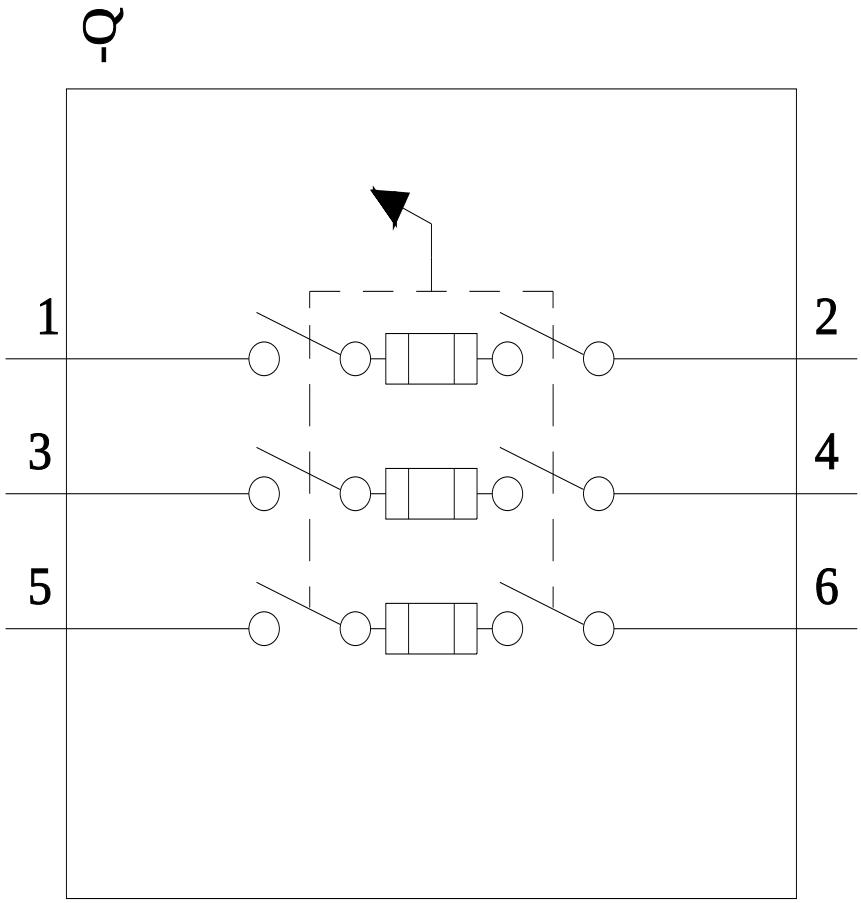
Declaration of Conformity	Test Certificates	Marine / Shipping	other		Environment
CE EG-Konf.	Type Test Certificates/Test Report	DNV-GL	Confirmation	Miscellaneous	Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
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=3KF5380-0LF11
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3KF5380-0LF11
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KF5380-0LF11
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications







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