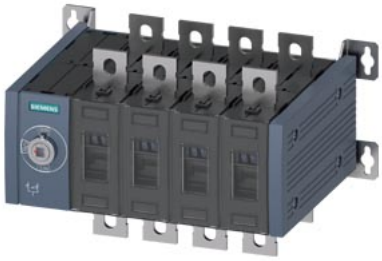
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Data sheet 3KC0438-0PE00-0AA0

SENTRON, transfer switching equipment 3KC, manually operated, MTSE, size: 3, 4-pole, Iu: 250 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 250 A, Ie at AC-23 A at 690 V: 250 A, screw mounting, front operating mechanism, at the left end, without handle, busbar connection



Model	
product brand name	SENTRON
product designation	transfer switching equipment
design of the product	manually operated
display version for switch position indicator door-coupling rotary operating mechanism	I ON- O OFF- II ON
design of the actuating element	Without handle
design of handle	without
type of the driving mechanism	Front operating mechanism
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
type of device	fixed mounting
size of switch disconnector	3
mechanical service life (operating cycles) for function sequence O-I-O typical	10 000
I2t value	
● with closed switch for combination switch + fuse at 500 V maximum	426 500 A²·s
● with closed switch at 690 V for combination switch + gG fuse maximum	348 000 A²·s
● of the fuse at 415 V maximum permissible	780 005 A²·s
● of the fuse at 500 V maximum permissible	780 005 A²·s
● of the gG fuse at 690 V maximum permissible	525 005 A²·s
● with closed switch for combination switch + fuse at 415 V maximum	426 500 A²·s
position of the switch operating mechanism	at the left end
overvoltage category	IV
degree of pollution	3
insulation voltage	
● rated value	1 000 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 device	28 W
Main circuit	

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operating power	
● at AC-23 A at 400 V at 50/60 Hz rated value	132 kW
● at AC-23 A at 500 V rated value	160 kW
operational current rated value	250 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	12
number of NO contacts for auxiliary contacts	12
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 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 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum	36 kA
● at 690 V AC without fuse link according to IEC 60947-3 rated value minimum	26 kA
conditional short-circuit current with line-side fuse protection	
● at 415 V by gG fuse according to IEC 60947-6-1 rated value	100 kA
● at 415 V by gG fuse rated value	100 kA
● at 500 V by gG fuse according to IEC 60947-3 rated value	100 kA
● at 690 V by gG fuse according to IEC 60947-3 rated value	65 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	250 A / 240 mm²
● for copper busbar	1x (30x10 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	busbar connection
Mechanical Design	
height	164 mm
width	279 mm
depth	197.2 mm
fastening method	screw fixing
fastening method	
● 4-hole front mounting	No
● front mounting with central attachment	No
● rail mounting	No
Net Weight	7.929 kg
Environmental conditions	
ambient temperature during operation	
● minimum	-25 °C
● maximum	70 °C

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

Approvals Certificates

Environment		General Product Approval			
Environmental Confirmations	Environmental Confirmations			Miscellaneous	

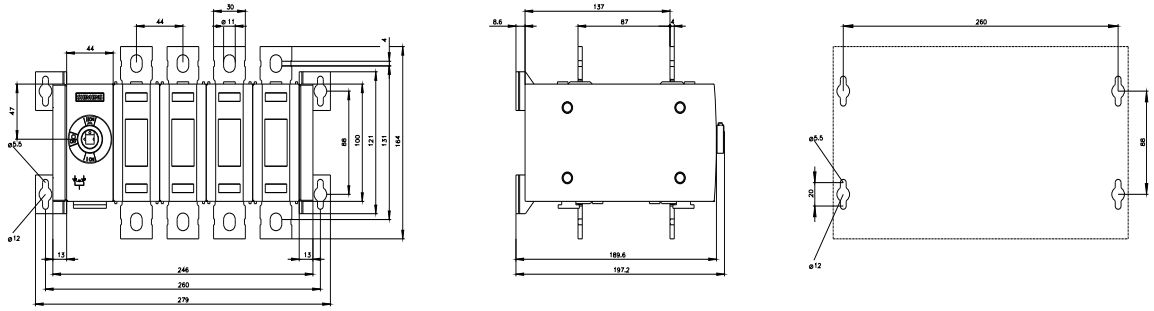
General Product Approval			Test Certificates	Maritime application	
Confirmation			Type Test Certificates/Test Report		

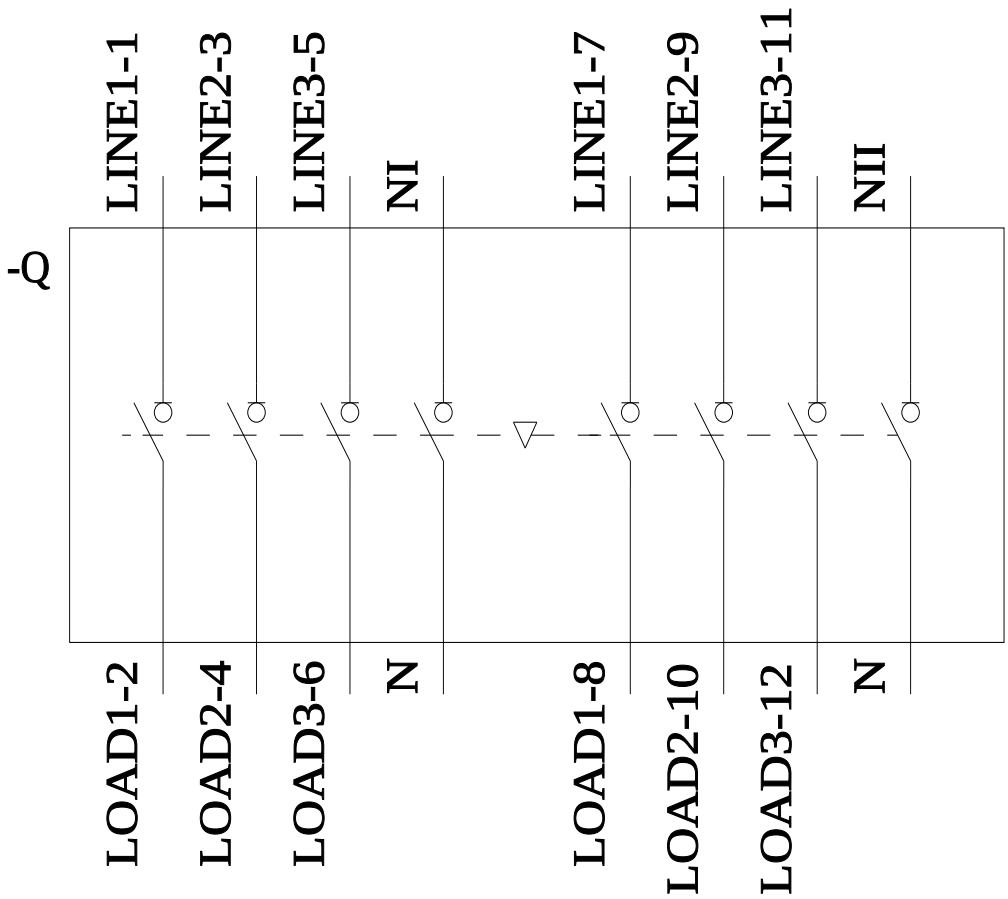
other	
Confirmation	

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=3KC0438-0PE00-0AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3KC0438-0PE00-0AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0438-0PE00-0AA0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/3KC0438-0PE00-0AA0

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