SIEMENS

Data sheet

3KC0422-2ME00-0AA0

SENTRON, 3KC transfer switching equipment, manually operated, MTSE, size: 1, 4-pole, Iu: 32 A, Ue AC: 415 V, le at AC-33 B at 415 V: 32 A, le at AC-23 A at 690 V: 32 A, screw and standard mounting rail installation 35 mm, front operating mechanism, centered, without handle, box terminal



Model	
product brand name	SENTRON
product designation	3KC 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	1
mechanical service life (operating cycles) for function sequence O-I-O typical	15 000
I2t value	
 with closed switch for combination switch + fuse at 500 V maximum 	13 300 A ² ·s
 with closed switch at 690 V for combination switch + gG fuse maximum 	13 700 A²·s
 of the fuse at 415 V maximum permissible 	26 505 A ² ·s
 of the fuse at 500 V maximum permissible 	26 505 A ² ·s
 of the gG fuse at 690 V maximum permissible 	24 005 A ² ·s
 with closed switch for combination switch + fuse at 415 V maximum 	13 300 A ² ·s
position of the switch operating mechanism	in center
overvoltage category	Ш
degree of pollution	3
insulation voltage	
rated value	1 000 V
Protection class	
protection class IP	IP20
protection class IP	
 with closed switch with cover or cable lug cover 	IP20
• on the front	IP20
Dissipation	
power loss [W]	
with conventional rated thermal current per device	2.4 W
Main circuit	
operating power	

a at AC 23 A at 100 V at 50/60 Hz rated value	15 1/1/
 at AC-23 A at 400 V at 50/60 Hz rated value at AC-23 A at 500 V rated value 	15 kW 18.5 kW
operational current rated value	32 A
Auxiliary circuit	32 A
	0
number of connected NC contacts for auxiliary contacts number of connected NO contacts for auxiliary contacts	0
number of connected NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	8
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
suitability for use	•
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
safety switch	Yes
maintenance/repair switch	Yes
product extension auxiliary switch	Yes
product extension optional	
motor drive	No
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 	7.7 kA
 at 690 V AC without fuse link according to IEC 60947-3 	7 kA
rated value minimum	
conditional short-circuit current with line-side fuse protection	100 kA
 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 	100 kA
value	
 at 690 V by gG fuse according to IEC 60947-3 rated value 	100 kA
Connections	
type of connectable conductor cross-sections with flexible busbar	2x (0.8x9 mm²)
type of connectable conductor cross-sections	
 for copper busbar 	1x (2x9 mm²)
type of connectable conductor cross-sections for copper conductor	
• solid	1x (1 16 mm²)
 finely stranded with core end processing 	1x (1 35 mm²)
• stranded	1x (6 35 mm²)
type of electrical connection	
for main current circuit	box terminal
Mechanical Design	
height	119 mm
width	237.6 mm
depth	84.5 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
net weight	1 700 g
Environmental conditions	
ambient temperature during operation	05 10
• minimum	-25 °C
	70 %
maximum ambient temperature during storage	70 °C

minimummaximum		-50 °C 80 °C	:			
General Product App	roval				Declaration of Con- formity	
<u>Confirmation</u>			<u>Miscellaneous</u>	EHC	CE EG-Konf.	
Declaration of Con- formity	Test Certificates	Marine / Shipping		other		
UK CA	Type Test Certific- ates/Test Report	Lloyd's Register urs	DNV-GL	<u>Miscellaneous</u>	<u>Confirmation</u>	
Environment						
Environmental Con- firmations						
urther information	to ovit the Pussian man	kat (saa bara)				
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						

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=3KC0422-2ME00-0AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3KC0422-2ME00-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

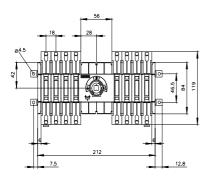
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0422-2ME00-0AA0

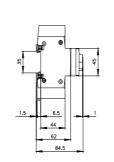
CAx-Online-Generator

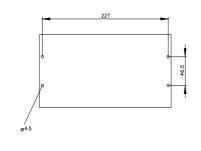
http://www.siemens.com/cax

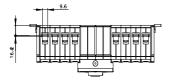
Tender specifications

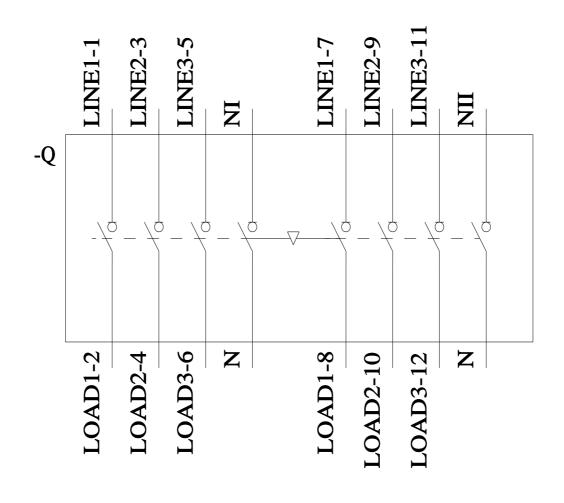
http://www.siemens.com/specifications











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