

SENTRON, 3KC transfer switching equipment, manually operated, MTSE, size: 1, 4-pole, Iu: 16 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 16 A, Ie at AC-23 A at 690 V: 16 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 disconnecter	1
mechanical service life (operating cycles) for function sequence O-I-O typical	15 000
I2t value	
<ul style="list-style-type: none"> with closed switch for combination switch + fuse at 500 V maximum 	13 300 A ² ·s
<ul style="list-style-type: none"> with closed switch at 690 V for combination switch + gG fuse maximum 	13 700 A ² ·s
<ul style="list-style-type: none"> of the fuse at 415 V maximum permissible 	26 505 A ² ·s
<ul style="list-style-type: none"> of the fuse at 500 V maximum permissible 	26 505 A ² ·s
<ul style="list-style-type: none"> of the gG fuse at 690 V maximum permissible 	24 005 A ² ·s
<ul style="list-style-type: none"> 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	III
degree of pollution	3
insulation voltage	
<ul style="list-style-type: none"> rated value 	1 000 V
Protection class	
protection class IP	IP20
protection class IP	
<ul style="list-style-type: none"> with closed switch with cover or cable lug cover 	IP20
<ul style="list-style-type: none"> on the front 	IP20
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> with conventional rated thermal current per device 	0.8 W
Main circuit	
operating power	

<ul style="list-style-type: none"> at AC-23 A at 400 V at 50/60 Hz rated value 	7.5 kW
<ul style="list-style-type: none"> at AC-23 A at 500 V rated value 	7.5 kW
operational current rated value	16 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	8
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
suitability for use	
<ul style="list-style-type: none"> main switch 	Yes
<ul style="list-style-type: none"> switch disconnecter 	Yes
<ul style="list-style-type: none"> EMERGENCY OFF switch 	Yes
<ul style="list-style-type: none"> safety switch 	Yes
<ul style="list-style-type: none"> maintenance/repair switch 	Yes
product extension auxiliary switch	Yes
product extension optional	
<ul style="list-style-type: none"> motor drive 	No
<ul style="list-style-type: none"> voltage trigger 	No
Short circuit	
short-circuit current making capacity (I _{cm}) for switch disconnecter	
<ul style="list-style-type: none"> at 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum 	7.7 kA
<ul style="list-style-type: none"> at 690 V AC without fuse link according to IEC 60947-3 rated value minimum 	7 kA
conditional short-circuit current with line-side fuse protection	
<ul style="list-style-type: none"> at 415 V by gG fuse according to IEC 60947-6-1 rated value 	100 kA
<ul style="list-style-type: none"> at 415 V by gG fuse rated value 	100 kA
<ul style="list-style-type: none"> at 500 V by gG fuse according to IEC 60947-3 rated value 	100 kA
<ul style="list-style-type: none"> 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 mm ²)
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> for copper busbar 	1x (2x9 mm ²)
type of connectable conductor cross-sections for copper conductor	
<ul style="list-style-type: none"> solid 	1x (1 ... 16 mm ²)
<ul style="list-style-type: none"> finely stranded with core end processing 	1x (1 ... 35 mm ²)
<ul style="list-style-type: none"> stranded 	1x (6 ... 35 mm ²)
type of electrical connection	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 4-hole front mounting 	No
<ul style="list-style-type: none"> front mounting with central attachment 	No
<ul style="list-style-type: none"> rail mounting 	Yes
mounting position	any
net weight	1 700 g
Environmental conditions	
ambient temperature during operation	
<ul style="list-style-type: none"> minimum 	-25 °C
<ul style="list-style-type: none"> maximum 	70 °C
ambient temperature during storage	

- minimum
- maximum

-50 °C

80 °C

Approvals Certificates

General Product Approval



[Confirmation](#)



[Miscellaneous](#)

General Product Approval

Test Certificates

Marine / Shipping

other



[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Miscellaneous](#)

Environment

[Environmental Confirmations](#)

[Environmental Confirmations](#)

Further information

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=3KC0416-2ME00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC0416-2ME00-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0416-2ME00-0AA0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



