



SENTRON, 3KC transfer switching equipment, manually operated, MTSE, size: 4, 3-pole, Iu: 630 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 500 A, Ie at AC-23 A at 690 V: 500 A, Screw mounting, front operating mechanism, at the left end, without handle, busbar connection

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	3
type of device	fixed mounting
size of switch disconnecter	4
mechanical service life (operating cycles) for function sequence O-I-O typical	8 000
I2t value	
<ul style="list-style-type: none"> <li>with closed switch for combination switch + fuse at 500 V maximum</li> </ul>	3 687 500 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>with closed switch at 690 V for combination switch + gG fuse maximum</li> </ul>	4 450 000 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the fuse at 415 V maximum permissible</li> </ul>	5 400 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the fuse at 500 V maximum permissible</li> </ul>	5 400 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the gG fuse at 690 V maximum permissible</li> </ul>	3 760 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>with closed switch for combination switch + fuse at 415 V maximum</li> </ul>	3 687 500 A <sup>2</sup> ·s
position of the switch operating mechanism	at the left end
overvoltage category	IV
degree of pollution	3
<b>insulation voltage</b>	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	1 000 V
Protection class	
protection class IP	IP00
protection class IP	
<ul style="list-style-type: none"> <li>with closed switch with cover or cable lug cover</li> </ul>	IP20
<ul style="list-style-type: none"> <li>on the front</li> </ul>	IP00
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> <li>with conventional rated thermal current per device</li> </ul>	66 W
Main circuit	
operating power	

<ul style="list-style-type: none"> <li>• at AC-23 A at 400 V at 50/60 Hz rated value</li> </ul>	355 kW
<ul style="list-style-type: none"> <li>• at AC-23 A at 500 V rated value</li> </ul>	400 kW
operational current rated value	630 A
<b>Auxiliary circuit</b>	
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	16
number of NO contacts for auxiliary contacts	16
suitability for use	
<ul style="list-style-type: none"> <li>• main switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• switch disconnecter</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• EMERGENCY OFF switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• safety switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• maintenance/repair switch</li> </ul>	Yes
product extension auxiliary switch	Yes
<b>product extension optional</b>	
<ul style="list-style-type: none"> <li>• motor drive</li> </ul>	No
<ul style="list-style-type: none"> <li>• voltage trigger</li> </ul>	No
<b>Short circuit</b>	
short-circuit current making capacity (I <sub>cm</sub> ) for switch disconnecter	
<ul style="list-style-type: none"> <li>• at 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum</li> </ul>	63 kA
<ul style="list-style-type: none"> <li>• at 690 V AC without fuse link according to IEC 60947-3 rated value minimum</li> </ul>	63 kA
conditional short-circuit current with line-side fuse protection	
<ul style="list-style-type: none"> <li>• at 415 V by gG fuse according to IEC 60947-6-1 rated value</li> </ul>	100 kA
<ul style="list-style-type: none"> <li>• at 415 V by gG fuse rated value</li> </ul>	100 kA
<ul style="list-style-type: none"> <li>• at 500 V by gG fuse according to IEC 60947-3 rated value</li> </ul>	100 kA
<ul style="list-style-type: none"> <li>• at 690 V by gG fuse according to IEC 60947-3 rated value</li> </ul>	65 kA
<b>Connections</b>	
type of connectable conductor cross-sections for aluminum conductor stranded with lug	1x (25 ... 240 mm <sup>2</sup> ), 2x (25 ... 240 mm <sup>2</sup> )
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>• with combination of Al conductor+switch</li> </ul>	620 A / 2x 240 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• for copper busbar</li> </ul>	1x (40x10 mm <sup>2</sup> ), 2x (40x5 mm <sup>2</sup> )
type of connectable conductor cross-sections for copper conductor	
<ul style="list-style-type: none"> <li>• stranded with lug according to DIN 46234</li> </ul>	1x (25 ... 240 mm <sup>2</sup> ), 2x (25 ... 240 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• stranded with lug according to DIN 46235</li> </ul>	1x (25 ... 240 mm <sup>2</sup> ), 2x (25 ... 240 mm <sup>2</sup> )
type of electrical connection	
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>	busbar connection
<b>Mechanical Design</b>	
height	235 mm
width	319 mm
depth	232.5 mm
fastening method	screw fixing
fastening method	
<ul style="list-style-type: none"> <li>• 4-hole front mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• front mounting with central attachment</li> </ul>	No
<ul style="list-style-type: none"> <li>• rail mounting</li> </ul>	No
net weight	13 750 g
<b>Environmental conditions</b>	
ambient temperature during operation	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	70 °C
ambient temperature during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-50 °C

• maximum

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=3KC0346-0QE00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC0346-0QE00-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KC0346-0QE00-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0346-0QE00-0AA0)

### CAX-Online-Generator

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

### Tender specifications

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





