

SENTRON, 3KC transfer switching equipment, manually operated, MTSE, size: 2, 4-pole, Iu: 100 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 100 A, Ie at AC-23 A at 690 V: 100 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	2
mechanical service life (operating cycles) for function sequence O-I-O typical	15 000
I2t value	
<ul style="list-style-type: none"> <li>with closed switch for combination switch + fuse at 500 V maximum</li> </ul>	135 600 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>	178 300 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>with closed switch at 690 V for combination switch + aM fuse maximum</li> </ul>	201 200 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the fuse at 415 V maximum permissible</li> </ul>	223 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the fuse at 500 V maximum permissible</li> </ul>	223 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the gG fuse at 690 V maximum permissible</li> </ul>	226 005 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the aM fuse at 690 V maximum permissible</li> </ul>	235 000 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>	135 600 A <sup>2</sup> ·s
position of the switch operating mechanism	in center
overvoltage category	III
degree of pollution	3
insulation voltage	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	1 000 V
Protection class	
protection class IP	IP20
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>	IP20
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> <li>with conventional rated thermal current per device</li> </ul>	12 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>	55 kW
<ul style="list-style-type: none"> <li>at AC-23 A at 500 V rated value</li> </ul>	55 kW
operational current rated value	100 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"> <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
product extension optional	
<ul style="list-style-type: none"> <li>motor drive</li> </ul>	No
<ul style="list-style-type: none"> <li>voltage trigger</li> </ul>	No
Short circuit	
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>	17 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>	12 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
Connections	
type of connectable conductor cross-sections with flexible busbar	3x (0.8x14 mm <sup>2</sup> )
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>for copper busbar</li> </ul>	1x (3x14 mm <sup>2</sup> )
type of connectable conductor cross-sections for copper conductor	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1x (2.5 ... 16 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>	1x (2.5 ... 70 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>stranded</li> </ul>	1x (10 ... 70 mm <sup>2</sup> )
type of electrical connection	
<ul style="list-style-type: none"> <li>for main current circuit</li> </ul>	box terminal
Mechanical Design	
height	126 mm
width	309.6 mm
depth	84.5 mm
fastening method	Screw fixing and standard rail mounting 35 mm
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>	Yes
mounting position	any
net weight	2 650 g
Environmental conditions	
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> <li>• maximum</li> </ul>	-50 °C 80 °C
<b>General Product Approval</b>	
<b>Declaration of Conformity</b>	



[Confirmation](#)



[Miscellaneous](#)



<b>Declaration of Conformity</b>	<b>Marine / Shipping</b>	<b>other</b>	<b>Environment</b>
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[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=3KC0430-2NE00-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3KC0430-2NE00-0AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KC0430-2NE00-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0430-2NE00-0AA0)

CAX-Online-Generator  
<http://www.siemens.com/cax>

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





