

SETRON, 3KC transfer switching equipment, manually operated, MTSE, size: 2, 3-pole, I<sub>u</sub>: 80 A, U<sub>e</sub> AC: 415 V, I<sub>e</sub> at AC-33 B at 415 V: 80 A, I<sub>e</sub> at AC-23 A at 690 V: 80 A, screw and standard mounting rail installation 35 mm, Front operating mechanism, centered, without handle, box terminal



Model	
product brand name	SETRON
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	2
mechanical service life (operating cycles) for function sequence O-I-O typical	15 000
I <sup>2</sup> t 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>	6 W

<b>Main circuit</b>	
<b>operating power</b>	
• at AC-23 A at 400 V at 50/60 Hz rated value	37 kW
• at AC-23 A at 500 V rated value	55 kW
operational current rated value	80 A
<b>Auxiliary circuit</b>	
<b>number of connected NC contacts for auxiliary contacts</b>	0
<b>number of connected NO contacts for auxiliary contacts</b>	0
<b>number of connected CO contacts for auxiliary contacts</b>	0
number of CO contacts for auxiliary contacts	8
<b>number of NC contacts for auxiliary contacts</b>	0
<b>number of NO contacts for auxiliary contacts</b>	0
<b>suitability for use main switch</b>	Yes
<b>suitability for use switch disconnecter</b>	Yes
<b>suitability for use EMERGENCY OFF switch</b>	Yes
<b>suitability for use safety switch</b>	Yes
<b>suitability for use maintenance/repair switch</b>	Yes
<b>product feature interlock</b>	No
product extension auxiliary switch	Yes
<b>product extension optional</b>	
• motor drive	No
• voltage trigger	No
<b>Short circuit</b>	
<b>short-circuit current making capacity (Icm) for switch disconnecter</b>	
• at 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum	17 kA
• at 690 V AC without fuse link according to IEC 60947-3 rated value minimum	12 kA
<b>conditional short-circuit current with line-side fuse protection</b>	
• 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
<b>Connections</b>	
type of connectable conductor cross-sections with flexible busbar	3x (0.8x14 mm <sup>2</sup> )
<b>type of connectable conductor cross-sections</b>	
• for copper busbar	1x (3x14 mm <sup>2</sup> )
<b>type of connectable conductor cross-sections for copper conductor</b>	
• solid	1x (2.5 ... 16 mm <sup>2</sup> )
• finely stranded with core end processing	1x (2.5 ... 70 mm <sup>2</sup> )
• stranded	1x (10 ... 70 mm <sup>2</sup> )
type of electrical connection	
• for main current circuit	box terminal
<b>Mechanical Design</b>	
<b>height</b>	126 mm
<b>width</b>	255.6 mm
<b>depth</b>	84.5 mm
<b>fastening method</b>	Screw fixing and standard rail mounting 35 mm
<b>fastening method</b>	
• 4-hole front mounting	No
• front mounting with central attachment	No
• rail mounting	Yes
<b>mounting position</b>	any
<b>net weight</b>	2 100 g
<b>Environmental conditions</b>	
<b>ambient temperature during operation</b>	

- minimum
- maximum

-25 °C  
70 °C

#### ambient temperature during storage

- minimum
- maximum

-50 °C  
80 °C

### Approvals Certificates

#### General Product Approval



[Confirmation](#)



EG-Konf.



[Miscellaneous](#)

#### General Product Approval

#### Test Certificates

#### Marine / Shipping

#### other



[Type Test Certificates/Test Report](#)



DNV



LRS

[Miscellaneous](#)

[Confirmation](#)

### 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=3KC0328-2NE00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC0328-2NE00-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KC0328-2NE00-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0328-2NE00-0AA0)

#### CAX-Online-Generator

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

#### Tender specifications

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





