

SWITCH DISCONNECTOR IN NEW DESIGN IU=630A,  
 UE=690V,  
 3-POLE WITH DOOR DRIVE 8UC7 HANDLE TI-  
 GREY/BL.GREEN BASIC MASKING FRAME LIGHT GRAY



Similar to image

**General technical details:**

<b>product brand name</b>		SENTRON
<b>product designation</b>		Switch Disconnecter 3KA
<b>Number of poles</b>		3
<b>Acceptability for application</b>		
<ul style="list-style-type: none"> <li>• main switch</li> <li>• switch disconnecter</li> <li>• emergency stop switch</li> <li>• safety cut-out switch</li> <li>• maintenance/repair switch</li> </ul>		Yes Yes Yes Yes Yes
<b>Product extension</b>		
<ul style="list-style-type: none"> <li>• optional / motor drive</li> <li>• optional / voltage trigger</li> </ul>		No No
<b>Design of the operating mechanism</b>		manual operating mechanism
<b>Product equipment / interlock</b>		Yes
<b>Type from device</b>		fixed mounting
<b>type of voltage</b>		AC/DC
<b>Continuous current / rated value</b>	A	630

<b>Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 400 V / rated value</b>	kA	65
• optional / interlock		Yes
• auxiliary switch		Yes
<b>Active power loss</b>		
• maximum	W	170
• per conductor / typical	W	57
<b>Insulation voltage / rated value</b>	V	1,000
<b>Impulse voltage resistance / rated value</b>	V	8,000
<b>Item designation</b>		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		Q

### Main circuit:

<b>Design of the electrical connection</b>		flat connector
• for main current circuit		
<b>Number of poles / for main current circuit</b>		3
<b>Operating current</b>		
• at AC-21		
• at 500 V / rated value	A	630
• at 690 V / rated value	A	630
• rated value	A	630
• at AC-22 A		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	630
• at AC-23 A		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	400
• at AC-3 / at 400 V		
• rated value	A	630
• at DC-23 A		
• at 400 V / rated value	A	400
<b>Service power</b>		
• at AC-23 A		
• at 400 V / at 50/60 Hz / rated value	W	350,000
• at 500 V / at 50/60 Hz / rated value	W	350,000
• at 690 V / at 50/60 Hz / rated value	W	280,000
<b>Operating voltage / for DC / rated value</b>	V	440

Operating voltage / at 50/60 Hz / for AC / rated value	V	690
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### Auxiliary circuit:

Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of change-over switches / for auxiliary contacts		0

### Installation/mounting/dimensions:

mounting position		any
Protection against electrical shock		finger-safe
Design of the load switch <ul style="list-style-type: none"> <li>Strip form</li> </ul>		No
Type of the driving mechanism <ul style="list-style-type: none"> <li>motor drive</li> </ul>		No
Type of mounting <ul style="list-style-type: none"> <li>Rail installation</li> <li>front mounting with central fixation</li> <li>front mounting with 4-hole fixation</li> </ul>		floor mounting No No No
Width	mm	240
Height	mm	180
Depth	mm	207

### Connections:

Conductor cross section that can be connected <ul style="list-style-type: none"> <li>for main contacts</li> <li>stranded</li> </ul>	/ mm <sup>2</sup>	480
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### Ambient conditions:

Ambient temperature <ul style="list-style-type: none"> <li>during operating</li> <li>during storage</li> </ul>	°C	-25 ... +55 °C -50 ... +80
Protection class IP		IP00
Verification of suitability		UL

### Certificates/approvals:

General Product Approval	Test Certificates	other		
 CCC	 GOST	<a href="#">Special Test Certificate</a>	<a href="#">Declaration of Conformity</a>	<a href="#">other</a>

### Further information:

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**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

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**Industry Mall (Online ordering system)**

<http://www.siemens.com/lowvoltage/maill>

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

<http://support.automation.siemens.com/WW/view/en/3KA5830-1GE01/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA5830-1GE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5830-1GE01)

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**CAX-Online-Generator**

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

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**last change:**

Oct 8, 2012