

SWITCH DISCONNECTOR NEW DESIGN IU=160A,  
UE=690V, 3-POLE BASIC VERSION WITHOUT 8UC6  
HANDLE AND SHAFT



Figure similar

Model		
product brand name		SENTRON
Product designation		Switch Disconnecter 3KA
Design type		For mounting and installation
Insulation voltage / Rated value	V	1 000
Protection class		
Protection class IP		IP00
Dissipation		
Active power loss		
• maximum	W	22
Electricity		
Let-through current / I <sub>2t</sub> / maximum permissible / in utilization category / AC-22 B / at 400 V	A <sup>2</sup> ·s	223 000
Main circuit		
Number of poles / for main current circuit		3
Operating power		
• at AC-23 A / at 400 V / at 50/60 Hz / Rated value	W	80 000

• at AC-23 A / at 500 V / at 50/60 Hz / Rated value	W	80 000
• at AC-23 A / at 690 V / at 50/60 Hz / Rated value	W	110 000
<b>Operating voltage</b>		
• at AC / at 50/60 Hz / Rated value	V	690
• at DC / Rated value	V	440
<b>Operating current</b>		
• at AC-21 / at 500 V / Rated value	A	160
• at AC-21 / at 690 V / Rated value	A	160
• at AC-21 / Rated value	A	160
• at AC-22 A / at 400 V / Rated value	A	160
• at AC-22 A / at 500 V / Rated value	A	160
• at AC-22 A / at 690 V / Rated value	A	160
• at AC-23 A / at 400 V / Rated value	A	160
• at AC-23 A / at 500 V / Rated value	A	160
• at AC-23 A / at 690 V / Rated value	A	160
• at AC-3 / at 400 V / Rated value	A	160
• at DC-23 A / at 400 V / Rated value	A	160
<b>Rated current I<sub>e</sub> / maximum / in utilization category</b>		
• AC-21 A / at 400 V	A	160
• AC-21 A / at 500 V	A	160
• AC-21 B / at 400 V	A	160
• AC-21 B / at 500 V	A	160
• AC-22 A / at 400 V	A	160
• AC-22 A / at 500 V	A	160
• AC-22 B / at 400 V	A	160
• AC-22 B / at 500 V	A	160

Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0

Short circuit		
Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) / at 400 V / Rated value	kA	120
<b>Conditional rated short-circuit current</b>		
• 400V	kA	120
• 500V	kA	120
• in utilization category / AC-21 A / at 400 V	kA	120
• in utilization category / AC-21 A / at 500 V	kA	120
• in utilization category / AC-21 B / at 400 V	kA	120

- in utilization category / AC-21 B / at 500 V
- in utilization category / AC-22 A / at 400 V
- in utilization category / AC-22 A / at 500 V
- in utilization category / AC-22 B / at 400 V
- in utilization category / AC-22 B / at 500 V

kA	120
kA	120
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kA	120
kA	120

## Connections

<b>Connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for main contacts           <ul style="list-style-type: none"> <li>— stranded / maximum</li> </ul> </li> </ul>	mm <sup>2</sup>	120
<b>Type of connection, main circuit</b>		Flat-type screw terminal
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>		flat connector

## Mechanical Design

<b>Height</b>	mm	125
<b>Width</b>	mm	185
<b>Depth</b>	mm	143
<b>Type of mounting</b>		fixed mounted
<b>mounting position</b>		any
<b>Mounting type</b>		floor mounting
<b>Mounting type</b>		
<ul style="list-style-type: none"> <li>• front mounting with 4-hole attachment</li> <li>• front mounting with central attachment</li> <li>• rail mounting</li> </ul>		No No No

## Environmental conditions

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation / minimum</li> <li>• during operation / maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul>	°C	-25 55 -50 80

## Certificates

<b>Equipment marking</b>		
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>		Q

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>other</b>
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## Further information

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

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

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KA53301AE01>

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

<http://support.automation.siemens.com/WW/view/en/3KA53301AE01/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3KA53301AE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3KA53301AE01)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>

**last modified:**

17.07.2015