

SWITCH DISCONNECTOR NEW DESIGN IU=125A,  
UE=690V, 3-POLE BASIC VERSION WITHOUT 8UC6  
HANDLE AND SHAFT



Figure similar

Model		
product brand name		SENTRON
Product designation		Switch Disconnecter 3KA
<b>Design type</b>		For mounting and installation
Protection class		
<b>Protection class IP</b>		IP00
Dissipation		
<b>Active power loss</b>		
• maximum	W	22
Electricity		
Let-through current / I2 t / maximum permissible / in utilization category / AC-22 B / at 400 V	A <sup>2</sup> ·s	223 000
Main circuit		
<b>Number of poles / for main current circuit</b>		3
<b>Operating power</b>		
• at AC-23 A / at 400 V / at 50/60 Hz / Rated value	W	65 000
• at AC-23 A / at 500 V / at 50/60 Hz / Rated value	W	65 000
• at AC-23 A / at 690 V / at 50/60 Hz / Rated value	W	90 000
<b>Operating voltage</b>		
• with AC / at 50/60 Hz / Rated value	V	690
• for DC / Rated value	V	440

Operating current		
• at AC-21 / at 500 V / Rated value	A	125
• at AC-21 / at 690 V / Rated value	A	125
• at AC-21 / Rated value	A	125
• at AC-22 A / at 400 V / Rated value	A	125
• at AC-22 A / at 500 V / Rated value	A	125
• at AC-22 A / at 690 V / Rated value	A	125
• at AC-23 A / at 400 V / Rated value	A	125
• at AC-23 A / at 500 V / Rated value	A	125
• at AC-23 A / at 690 V / Rated value	A	125
• at AC-3 / at 400 V / Rated value	A	125
• at DC-23 A / at 400 V / Rated value	A	125
Rated current I <sub>e</sub> / maximum / in utilization category		
• AC-21 A / at 400 V	A	125
• AC-21 A / at 500 V	A	125
• AC-21 B / at 400 V	A	125
• AC-21 B / at 500 V	A	125
• AC-22 A / at 400 V	A	125
• AC-22 A / at 500 V	A	125
• AC-22 B / at 400 V	A	125
• AC-22 B / at 500 V	A	125

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
Conditional rated short-circuit current		
• 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	kA	120
• in utilization category / AC-22 A / at 400 V	kA	120
• in utilization category / AC-22 A / at 500 V	kA	120
• in utilization category / AC-22 B / at 400 V	kA	120
• in utilization category / AC-22 B / at 500 V	kA	120

Connections		
Connectable conductor cross-section		

<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>	70
<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	110
<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
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### Certificates

Equipment marking / acc. to DIN EN 61346-2	Q
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General Product Approval		Declaration of Conformity	Test Certificates	Shipping Approval
				
GOST	UL		EG-Konf.	GL
			<a href="#">Special Test Certificate</a>	

### 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/3KA52301AE01>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<http://support.automation.siemens.com/WW/view/en/3KA52301AE01/all>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KA52301AE01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA52301AE01)
- CAX-Online-Generator**  
<http://www.siemens.com/cax>
- Tender specifications**  
<http://ausschreibungstexte.siemens.com/tiplv>

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11.03.2015