

Switch disconnecter with fuse in new design  $I_u=250\text{ A}$ ,  $U_e = 690\text{ V}$ ,  
 3-pole for LV HRC fuse Sz. 1 and 2 with door operating mechanism  
 8UC7 Handle dark blue/blue-green Basic masking frame light gray



Figure similar

Model	
Product brand name	SETRON
version	Complete version with rotary operating mechanism
Design type	For mounting and installation
Design of the operating mechanism	manual operating mechanism
Design of the load switch / Strip form	No
Type of the driving mechanism / motor drive	No
Number of poles	3
Size of disconnecting link	2 and 1
Fuse system	LV HRC fuse
Insulation voltage / rated value	1 000 V
Surge voltage resistance / rated value	8 000 V
Protection class	
Protection class IP	IP00
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	11 W

## Electricity

Operating current / at AC-21 / rated value	250 A
Continuous current / rated value	250 A
Let-through current / I <sub>2t</sub> / maximum permissible / in utilization category / AC-22 B / at 400 V	1 000 000 A <sup>2</sup> ·s

## 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	132 000 W
• at AC-23 A / at 500 V / at 50/60 Hz / rated value	132 000 W
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	185 000 W
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Rated current I <sub>e</sub> / maximum / in utilization category	
• AC-21 A / at 400 V	250 A
• AC-21 A / at 500 V	250 A
• AC-21 B / at 400 V	250 A
• AC-21 B / at 500 V	250 A
• AC-22 A / at 400 V	250 A
• AC-22 A / at 500 V	250 A
• AC-22 B / at 400 V	250 A
• AC-22 B / at 500 V	250 A

## 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
Product feature / interlock	Yes

## Short circuit

Conditional rated short-circuit current	
• 400V	80 kA
• 500V	80 kA
• in utilization category / AC-21 A / at 400 V	80 kA
• in utilization category / AC-21 A / at 500 V	80 kA
• in utilization category / AC-21 B / at 400 V	80 kA
• in utilization category / AC-21 B / at 500 V	80 kA
• in utilization category / AC-22 A / at 400 V	80 kA
• in utilization category / AC-22 A / at 500 V	80 kA
• in utilization category / AC-22 B / at 400 V	80 kA
• in utilization category / AC-22 B / at 500 V	80 kA

## 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>	150 mm <sup>2</sup>
Type of connection, main circuit	flat pad connection, M10
<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>for main current circuit</li> </ul>	flat connector

## Mechanical Design






Height	160 mm
Width	247 mm
Depth	209 mm
Type of mounting	fixed mounted
Mounting position	any
Mounting type	Surface mounting and installation
Mounting type	
<ul style="list-style-type: none"> <li>front mounting with 4-hole attachment</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>	No



## Environmental conditions

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

## Certificates

Certificate of suitability	CE
Reference code / acc. to DIN EN 61346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 UR	 EG-Konf.	<a href="#">Special Test Certificate</a>  BUREAU VERITAS
			 GL

Shipping Approval	other
 LRS	 PRS
	<a href="#">Environmental Conformations</a>
	<a href="#">Miscellaneous</a>

## Further information

### 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=3KL5530-1GB01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KL5530-1GB01>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KL5530-1GB01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KL5530-1GB01)

### CAX-Online-Generator

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

### Tender specifications

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

