

Switch disconnecter with fuse in new design Iu=250 A, Ue = 690 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
Product designation	Switch disconnecter
Design of the product	With 3KL fuses
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
Type of voltage	AC/DC
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

- at DC / rated value

440 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

Current

Operating current / at AC-21 / rated value

250 A

Continuous current / rated value

250 A

Let-through current / I_{2t} / maximum permissible / in
utilization category / AC-22 B / at 400 V

1 000 000 A²·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
- at AC-23 A / at 500 V / rated value
- at AC-23 A / at 690 V / at 50/60 Hz / rated value

132 000 W

132 000 W

185 000 W

Operating current / rated value

250 A

Rated current I_e / maximum / in utilization category

- AC-21 A / at 400 V
- AC-21 A / at 500 V
- AC-21 B / at 400 V
- AC-21 B / at 500 V
- AC-22 A / at 400 V
- AC-22 A / at 500 V
- AC-22 B / at 400 V
- AC-22 B / at 500 V

250 A

250 A

250 A

250 A

250 A

250 A

250 A

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

80 kA

80 kA

80 kA

80 kA

80 kA

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

Connectable conductor cross-section / for main contacts	
• stranded / maximum	150 mm ²
Type of connection, main circuit	flat pad connection, M10

Mechanical Design

Height	160 mm
Width	247 mm
Depth	209 mm
Type of mounting	fixed mounted
Mounting type	Surface mounting and installation
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	No
Mounting position	any

Environmental conditions

Ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-50 °C
• maximum	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.	Special Test Certificate  BUREAU VERITAS  LRS

Shipping Approval	other
 PRS	Environmental Conformations Miscellaneous

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

CAX-Online-Generator

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

Tender specifications

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

