

SWITCH DISCONNECTOR FUSE NEW DESIGN IU=125A,
UE=690V, 3-POLE FOR LV HRC FUSE SIZE 00 BASIC VERSION
WITHOUT 8UC6 HANDLE AND SHAFT WITH TIN-COATED
CONTACTS

Model	
Product brand name	SENTRON
Product designation	Switch Disconnecter with Fuses 3KL
version	Basic version without handle
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	00 and 000
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	7.3 W
maximum	22 W
Electricity	
Operating current / at AC-21 / rated value	125 A
Continuous current / rated value	125 A
Let-through current / I _{2 t} / maximum permissible / in utilization category / AC-22 B / at 400 V	223 000 A ² ·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	65 000 W
at AC-23 A / at 500 V / at 50/60 Hz / rated value	65 000 W
at AC-23 A / at 690 V / at 50/60 Hz / rated value	90 000 W
Operating voltage	
at AC / at 50/60 Hz / rated value	690 V

• at DC / rated value	440 V
Rated current I_e / maximum / in utilization category	
• AC-21 A / at 400 V	125 A
• AC-21 A / at 500 V	125 A
• AC-21 B / at 400 V	125 A
• AC-21 B / at 500 V	125 A
• AC-22 A / at 400 V	125 A
• AC-22 A / at 500 V	125 A
• AC-22 B / at 400 V	125 A
• AC-22 B / at 500 V	125 A
Product feature / interlock	Yes

Short circuit

Conditional rated short-circuit current	
• 400V	100 kA
• 500V	100 kA
• in utilization category / AC-21 A / at 400 V	100 kA
• in utilization category / AC-21 A / at 500 V	100 kA
• in utilization category / AC-21 B / at 400 V	100 kA
• in utilization category / AC-21 B / at 500 V	100 kA
• in utilization category / AC-22 A / at 400 V	100 kA
• in utilization category / AC-22 A / at 500 V	100 kA
• in utilization category / AC-22 B / at 400 V	100 kA
• in utilization category / AC-22 B / at 500 V	100 kA

Connections

Connectable conductor cross-section	
• for main contacts — stranded / maximum	70 mm ²
Type of connection, main circuit	flat pad connection, M6
Type of electrical connection	
• for main current circuit	flat connector

Mechanical Design

Height	106 mm
Width	185 mm
Depth	143 mm
Type of mounting	fixed mounted
Mounting position	any
Mounting type	Surface mounting and installation
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	No

Environmental conditions

Ambient temperature

- | | |
|------------------------------|--------|
| • during operation / minimum | -25 °C |
| • during operation / maximum | 55 °C |
| • during storage / minimum | -50 °C |
| • during storage / maximum | 80 °C |

Certificates

Certificate of suitability

CE

Equipment marking / acc. to DIN EN 61346-2

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General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
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UL



EG-Konf.

[Special Test Certificate](#)



GL



LRS

other

[Miscellaneous](#)

[Environmental Confirmations](#)

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=3KL5230-1AB01-Z A01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KL5230-1AB01-Z A01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KL5230-1AB01-Z A01

CAX-Online-Generator

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

Tender specifications

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