



SWITCH DISCONNECTOR FUSE NEW DESIGN IU=250A,
UE=690V,
3-POLE FOR LV HRC FUSE SIZE 1 AND 2 BASIC
VERSION WITHOUT 8UC6 HANDLE AND SHAFT W.
ISOLATING PLUG CONN. FOR MCC

Similar to image

General technical details:		
product brand name		SENTRON
Product designation		Switch Disconnector with Fuses and Isolating Plug Connectors 3KM
Number of poles		3
Installation size of fuse-link		2 and 1
Installation size of disconnecting link		2 and 1
Acceptability for application		
• main switch		Yes
• switch disconnector		Yes
• emergency stop switch		Yes
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product extension		
• optional / motor drive		No
• optional / voltage trigger		No
Design of the operating mechanism		manual operating mechanism
Product equipment / interlock		Yes
Type from device		can be plugged into busbar systems

Type of voltage		AC/DC
Continuous current / rated value	A	250
Breaking capacity limit short-circuit current (I_{cu}) / at 400 V / rated value		
• optional / interlock		Yes
• auxiliary switch		Yes
Active power loss		
• maximum	W	33
• per conductor / typical	W	11
Insulation voltage / rated value	V	1,000
Impulse voltage resistance / rated value	V	8,000
Reference code		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		Q
Fuse system		LV HRC fuse

Main circuit:

Design of the electrical connection		
• for main current circuit		flat connector
Number of poles / for main current circuit		3
Operating current		
• at AC-21		
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• rated value	A	250
• at AC-22 A		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• at AC-23 A		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• at AC-3 / at 400 V		
• rated value	A	250
• at DC-23 A		
• at 400 V / rated value	A	250
Operating power		
• at AC-23 A		
• at 400 V / at 50/60 Hz / rated value	W	132,000

• at 500 V / at 50/60 Hz / rated value	W	132,000
• at 690 V / at 50/60 Hz / rated value	W	185,000
Operating voltage / for DC / rated value	V	440
Operating voltage / at 50/60 Hz / for AC / rated value	V	690

Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of changeover contacts / for auxiliary contacts		0

Installation/mounting/dimensions:		
mounting position		any
Protection against electrical shock		finger-safe
Design of the load switch		
• Strip form		No
Type of the driving mechanism		
• motor drive		No
Mounting type		clip-on
• rail mounting		Yes
• front mounting with central attachment		No
• front mounting with 4-hole attachment		No
Width	mm	247
Height	mm	160
Depth	mm	279

Connections:		
Conductor cross section that can be connected		
• for main contacts		
• stranded	/ mm ²	150

Ambient conditions:		
Ambient temperature		
• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80
Protection class IP		IP00
Verification of suitability		CE

Certificates/approvals:		
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General Product Approval	Declaration of Conformity	Test Certificates			
 GOST	 EG-Konf.	Special Test Certificate			
Shipping Approval					other
 BUREAU VERITAS	 GL	 LRS	 PRS	other	Environmental Confirmations

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/3KM5530-1AB01>

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

<http://support.automation.siemens.com/WW/view/en/3KM5530-1AB01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KM5530-1AB01

CAX-Online-Generator

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

Tender specifications

[Datanorm GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)

last change:

Aug 12, 2013