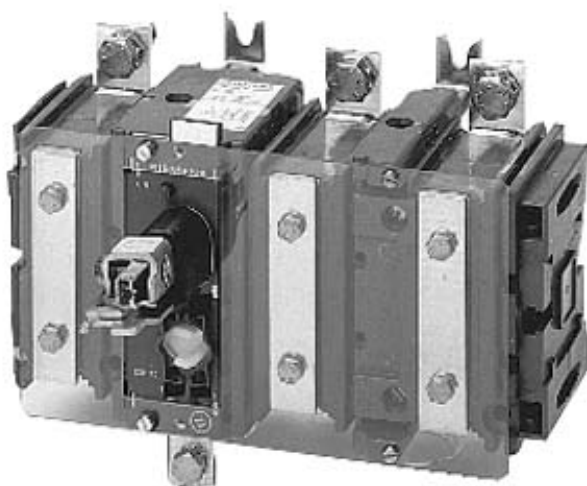


SWITCH DISCONNECTOR NEW DESIGN IU=630A,
UE=690V,
3-POLE BASIC VERSION WITHOUT 8UC6 HANDLE AND
SHAFT



Similar to image

General technical details:

product brand name		SENTRON
product designation		Switch Disconnecter 3KA
Number of poles		3
Acceptability for application		
• main switch		Yes
• switch disconnecter		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		fixed mounting
type of voltage		AC/DC
Continuous current / rated value	A	630

Breaking capacity limit short-circuit current (Icu) / at 400 V / rated value	kA	65
• optional / interlock		Yes
• auxiliary switch		Yes
Active power loss		
• maximum	W	170
• per conductor / typical	W	57
Insulation voltage / rated value	V	1,000
Impulse voltage resistance / rated value	V	8,000
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		Q

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	630
• at 690 V / rated value	A	630
• rated value	A	630
• at AC-22 A		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	630
• at AC-23 A		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	400
• at AC-3 / at 400 V		
• rated value	A	630
• at DC-23 A		
• at 400 V / rated value	A	400
Service power		
• at AC-23 A		
• at 400 V / at 50/60 Hz / rated value	W	350,000
• at 500 V / at 50/60 Hz / rated value	W	350,000
• at 690 V / at 50/60 Hz / rated value	W	280,000
Operating voltage / for DC / rated value	V	440

Operating voltage / at 50/60 Hz / for AC / rated value	V	690
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Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of change-over switches / 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
Type of mounting - Rail installation - front mounting with central fixation - front mounting with 4-hole fixation		floor mounting No No No
Width	mm	240
Height	mm	180
Depth	mm	207

Connections:		
Conductor cross section that can be connected - for main contacts - stranded	/ mm²	480

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

Certificates/approvals:				
General Product Approval		Test Certificates	other	
		Special Test Certificate	Declaration of Conformity	other
CCC	GOST			

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/lowvoltage/mall>

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

<http://support.automation.siemens.com/WW/view/en/3KA5830-1AE01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KA5830-1AE01

CAX-Online-Generator

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

last change:

Oct 8, 2012