

MAIN SWITCH FOR SOLAR PLANTS FOR MOUNTING ONTO STANDARD RAIL 2-POLE WITH BLACK KNOB RATING AT 800V DC DC21 32A, DC22 16A



Similar to image

**General technical details:**

<b>product brand name</b>		SENTRON
<b>product designation</b>		main and EMERGENCY-OFF switches
<b>Type from device</b>		fixed mounting
<b>Design of the operating mechanism</b>		knob-operated mechanism, black
<b>Protection class IP</b>		IP44
<b>Number of poles</b>		2
<b>Acceptability for application</b>		
• switch disconnecter		Yes
• main switch		Yes
• safety cut-out switch		Yes
• emergency stop switch		No
• maintenance/repair switch		Yes
<b>Product equipment / interlock</b>		Yes
<b>Type of the driving mechanism / motor drive</b>		No
<b>Product extension / optional</b>		
• motor drive		No
• voltage trigger		No
<b>Ambient temperature / during operating</b>	°C	-25 ... +55

Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	V	6,000
Active power loss / per conductor / typical	W	1.8
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Protection against electrical shock		finger-safe
Item designation / according to DIN EN 61346-2		S
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		S

#### Main circuit:

Continuous current / rated value	A	32
Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value	A	640
Operating frequency	Hz	50 ... 60
Operating voltage / for DC / rated value	V	800
Operating cycles / maximum	1/h	50

#### 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
Continuous current / of the auxiliary contact / rated value	A	10
Operating voltage / of the auxiliary contacts / for AC / maximum	V	500
Insulation voltage / of the auxiliary switch / rated value	V	500

#### Short-circuit:

Design of the fuse link / for short-circuit protection of the main circuit / necessary		fuse gL/gG: 40 A
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A

#### Installation/mounting/dimensions:

<b>Type of mounting</b>		floor mounting
• front mounting		No
• front mounting with central fixation		No
• front mounting with 4-hole fixation		No
• series installation		Yes
• Rail installation		No
<b>Width</b>	mm	98
<b>Height</b>	mm	128
<b>Depth</b>	mm	129

**Connection type:**

<b>Design of the electrical connection / for main current circuit</b>		connection terminals
<b>Design of the electrical connection / for auxiliary contact</b>		connection terminals
<b>Type of the connectable conductor cross-section / for main contacts</b> <ul style="list-style-type: none"> <li>• finely stranded / with conductor end processing</li> </ul>		10 mm <sup>2</sup>
<b>Type of connectable conductor cross section / for auxiliary contacts</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> <li>• stranded</li> </ul>		2x (0.75 to 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> 2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup> 2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>

**Certificates/approvals:**

<b>Verification of suitability</b>		CSA / UL / CCC / GL / LRS / DNV / PRS
<b>Conductor cross section that can be connected / for main contacts / solid / minimum</b>	mm <sup>2</sup>	1.5
<b>Conductor cross section that can be connected / for main contacts / solid / maximum</b>	mm <sup>2</sup>	16
<b>Conductor cross section that can be connected / for main contacts / stranded / minimum</b>	mm <sup>2</sup>	1.5
<b>Conductor cross section that can be connected / for main contacts / stranded / maximum</b>	mm <sup>2</sup>	16
<b>Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum</b>	mm <sup>2</sup>	10
<b>Conductor cross-section that can be connected / for auxiliary contact / solid / minimum</b>	mm <sup>2</sup>	0.75
<b>Conductor cross-section that can be connected / for auxiliary contact / solid / maximum</b>	mm <sup>2</sup>	4
<b>Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / minimum</b>	mm <sup>2</sup>	0.75
<b>Conductor cross-section that can be connected / for auxiliary contact / finely stranded / with conductor end processing / maximum</b>	mm <sup>2</sup>	2.5
<b>Conductor cross section that can be connected / for auxiliary contacts / stranded / min.</b>	mm <sup>2</sup>	0.75
<b>Conductor cross section that can be connected / for auxiliary contacts / stranded / max.</b>	mm <sup>2</sup>	4

**Certificates/approvals:**

**General Product Approval**

CSA



GOST

**Test Certificates**[Special Test Certificate](#)**Shipping Approval**

GL



LRS

**other**[Declaration of Conformity](#)[Environmental Confirmations](#)**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/3LD2230-8VQ11-0AF6/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2230-8VQ11-0AF6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2230-8VQ11-0AF6)**CAX-Online-Generator**<http://www.siemens.com/cax>**last change:**

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