

MAIN CONTROL SWITCH 3-POLE IU=25,  
P/AC-23A AT 400V=9,5KW BASE MOUNTING MOUNTING  
RAIL/TWO-HOLE MOUNTING ROTARY ACTUATOR  
BLACK

General technical details:		
product brand name		SETRON
product designation		main and EMERGENCY-OFF switches
Type from device		fixed mounting
Design of the operating mechanism		rotary actuator, black
Protection class IP		IP65
Number of poles		3
Acceptability for application		
• switch disconnecter		Yes
• main switch		Yes
• safety cut-out switch		Yes
• emergency stop switch		No
• maintenance/repair switch		Yes
Product equipment / interlock		Yes
Type of the driving mechanism / motor drive		No
Product extension / optional		
• motor drive		No
• voltage trigger		No
Ambient temperature / during operating	°C	-25 ... +55
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	V	6,000
Active power loss / per conductor / typical	W	1.1
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	25
Operating current / at AC-21 / rated value	A	25

<b>Short-time current resistance (I<sub>cw</sub>) / at 690 V / limited to 1 s / rated value</b>	A	640
<b>Operating frequency</b>	Hz	50 ... 60
<b>Operating voltage / at 50/60 Hz / for AC / rated value</b>	V	690
<b>Service power / at AC-3</b>		
• at 400 V / rated value	kW	7.5
• at 690 V / rated value	kW	7.5
<b>Service power / at AC-23 A</b>		
• at 400 V / rated value	kW	9.5
• at 690 V / rated value	kW	9.5
<b>Operating cycles / maximum</b>	1/h	50

#### Auxiliary circuit:

<b>Number of NC contacts / for auxiliary contacts</b>		0
<b>Number of NO contacts / for auxiliary contacts</b>		0
<b>Number of change-over switches / for auxiliary contacts</b>		0
<b>Continuous current / of the auxiliary contact / rated value</b>	A	10
<b>Operating voltage / of the auxiliary contacts / for AC / maximum</b>	V	500
<b>Insulation voltage / of the auxiliary switch / rated value</b>	V	500

#### Short-circuit:

<b>Design of the fuse link / for short-circuit protection of the main circuit / necessary</b>		fuse gL/gG: 25 A
<b>Design of the fuse link / for short-circuit protection of the auxiliary switch / required</b>		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	67
<b>Height</b>	mm	84
<b>Depth</b>	mm	429.5

#### 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>		
• finely stranded / with conductor end processing		10 mm <sup>2</sup>

<b>Type of connectable conductor cross section / for auxiliary contacts</b>		
• solid		2x (0.75 to 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
• finely stranded / with conductor end processing		2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
• stranded		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:**

<b>General Product Approval</b>				<b>Test Certificates</b>
 CCC	 CSA	 GOST	 UL	<a href="#">Special Test Certificate</a>
<b>Shipping Approval</b>				<b>other</b>
 GL	 LRS	 PRS	<a href="#">Declaration of Conformity</a>	<a href="#">Environmental Confirmations</a>

**Further information:**

**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/lowvoltage/catalogs>

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**Industry Mall (Online ordering system)**

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

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

<http://support.automation.siemens.com/WW/view/en/3LD2113-0TK51/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2113-0TK51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2113-0TK51)

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**CAX-Online-Generator**

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

**last change:**

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