

MAIN CONTROL SWITCH 3-POLE IU=25,  
P/AC-23A AT 400V=9,5KW 1 N-TERMINAL + 1 PE-  
TERMINAL ENCAPSUL.IN M.P.ENCLOSURE,  
IP65 ROTARY ACTUATOR BLACK METRIC THREAD

General technical details:		
product brand name		SENTRON
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		No
• Rail installation		No
<b>Width</b>	mm	100
<b>Height</b>	mm	152
<b>Depth</b>	mm	117

#### 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>		
<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
<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="#">other</a>
<b>Shipping Approval</b>	<b>other</b>
 GL  LRS	<a href="#">Declaration of Conformity</a> <a href="#">Environmental Confirmations</a>

**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/3LD2164-0TB51/all>

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

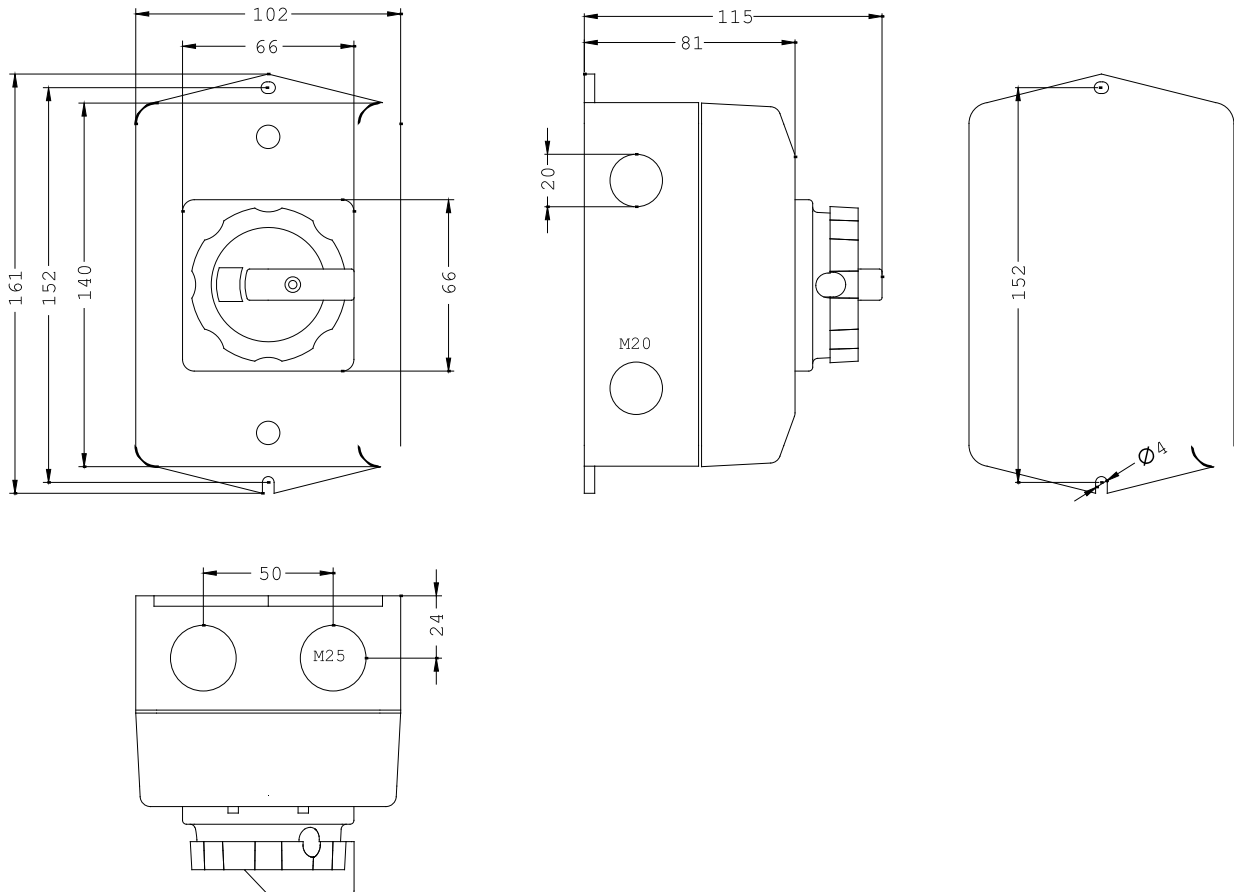
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2164-0TB51](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2164-0TB51)

CAx-Online-Generator

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

Tender specifications

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



last change:

Nov 1, 2012