

MAIN CONTROL SWITCH 3-POLE IU=63,  
P/AC-23A AT 400V=22KW 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  | 4.5                             |
| 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  | 63                              |
| Operating current / at AC-21 / rated value  | A  | 63                              |

|   |     |           |
|---|-----|-----------|
| <b>Short-time current resistance (I<sub>cw</sub>) / at 690 V / limited to 1 s / rated value</b> | A   | 1,260     |
| <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  | 18.5      |
| • at 690 V / rated value  | kW  | 15        |
| <b>Service power / at AC-23 A</b>   |     |           |
| • at 400 V / rated value  | kW  | 22        |
| • at 690 V / rated value  | kW  | 18.5      |
| <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: 63 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 | 146            |
| <b>Height</b>                          | mm | 199            |
| <b>Depth</b>                           | mm | 149            |

#### 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                          |  | 16 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><br>2x (0.75 ... 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup><br>2x (0.75 ... 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup> |

**Certificates/approvals:**

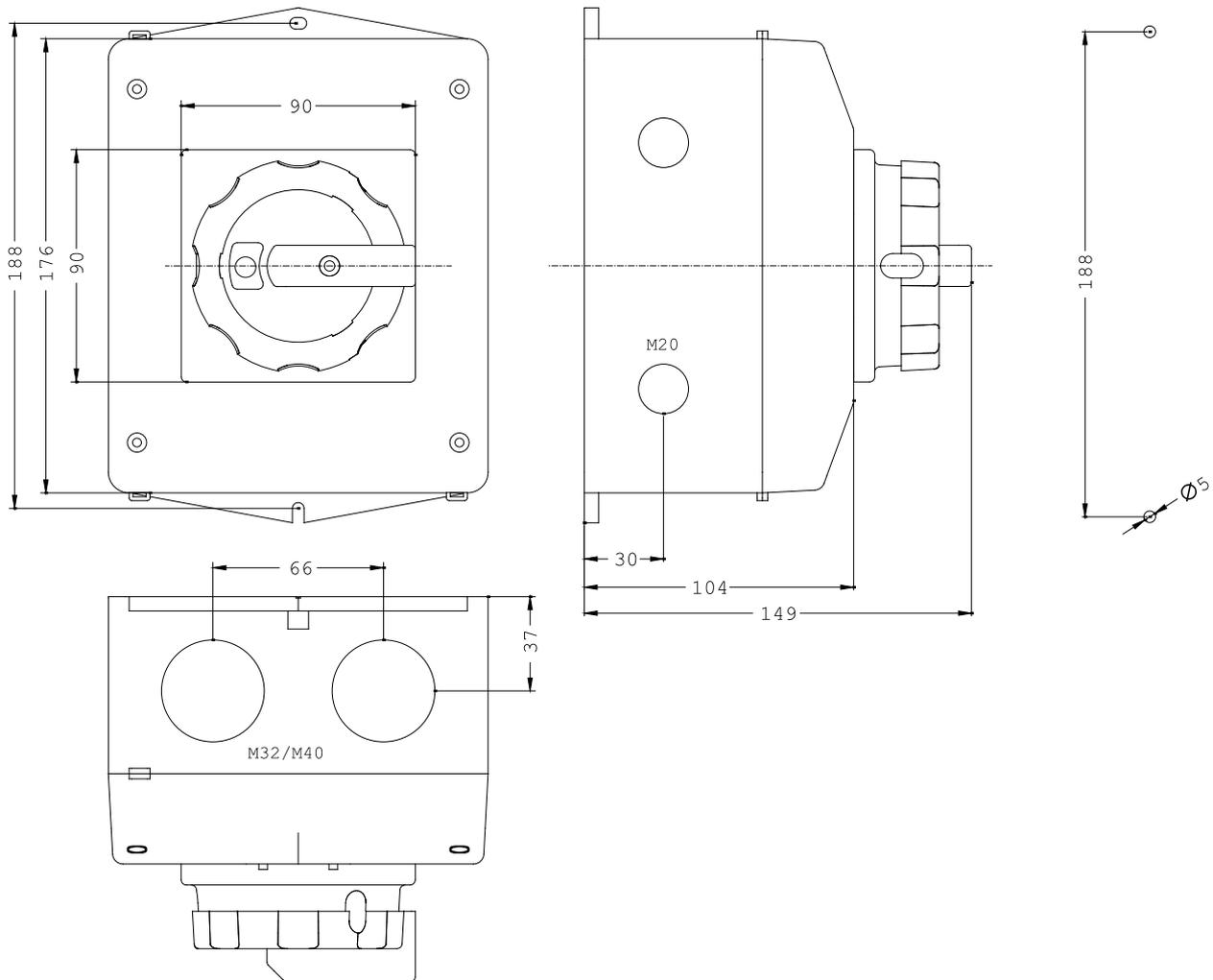
|  |                 |                                       |
|--|-----------------|---------------------------------------|
| <b>Verification of suitability</b>   |                 | CSA / UL / CCC / GL / LRS / DNV / PRS |
| <b>Conductor cross section that can be connected / for main contacts / solid / minimum</b>   | mm <sup>2</sup> | 2.5                                   |
| <b>Conductor cross section that can be connected / for main contacts / solid / maximum</b>   | mm <sup>2</sup> | 35                                    |
| <b>Conductor cross section that can be connected / for main contacts / stranded / minimum</b>  | mm <sup>2</sup> | 2.5                                   |
| <b>Conductor cross section that can be connected / for main contacts / stranded / maximum</b>  | mm <sup>2</sup> | 35                                    |
| <b>Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum</b>       | mm <sup>2</sup> | 16                                    |
| <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>                 |
| <br>CCC | <br>CSA | <br>GOST | <br>UL | <a href="#">Special Test Certificate</a> |
| <b>Shipping Approval</b>   | <b>other</b>   |   |   |  |
| <br>GL  | <br>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>



last change:

Nov 1, 2012