

MAIN CONTROL SWITCH 3-POLE IU=63,  
P/AC-23A AT 400V=22KW 1NO+1 NC,  
1 N-TERMINAL ENCAPSUL.IN M.P.ENCLOSURE,  
IP65 ROTARY ACTUATOR BLACK METRIC THREAD

### 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  | 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>                   |   | 1   |
| <b>Number of NO contacts / for auxiliary contacts</b>                   |   | 1   |
| <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:

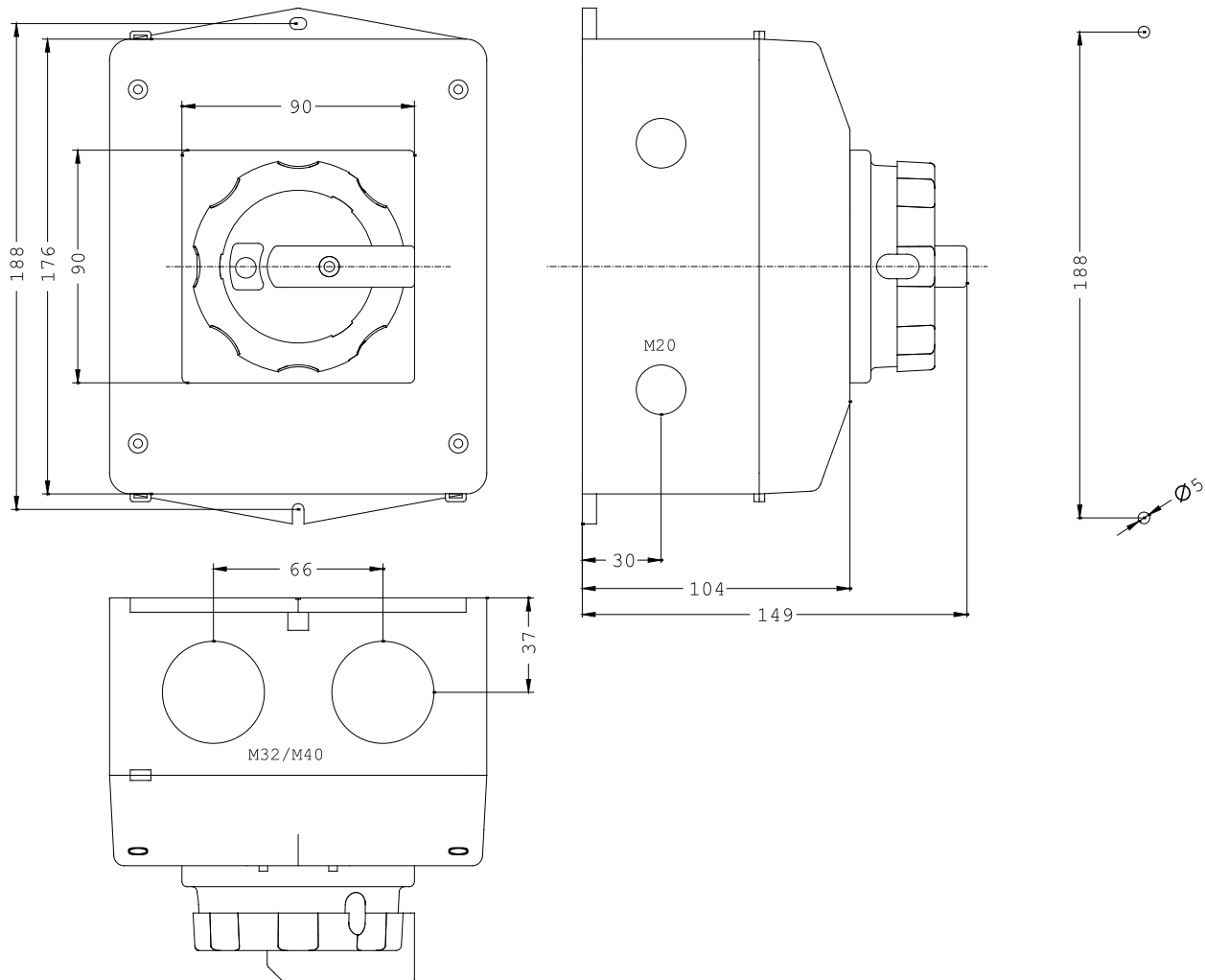
|                                                                            |  |                      |
|----------------------------------------------------------------------------|--|----------------------|
| <b>Design of the electrical connection / for main current circuit</b>      |  | connection 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> |  |                                                            |
| • 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> | 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:                                                             |                                                                                     |                                                                                     |                                                                                     |                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|
| General Product Approval                                                            |                                                                                     |                                                                                     |                                                                                     | Test Certificates                        |
|  |  |  |  | <a href="#">Special Test Certificate</a> |
| CCC                                                                                 | CSA                                                                                 | GOST                                                                                | UL                                                                                  |                                          |
| Shipping Approval                                                                   |                                                                                     | other                                                                               |                                                                                     |                                          |
|  |  | <a href="#">Declaration of Conformity</a>                                           | <a href="#">Environmental Confirmations</a>                                         |                                          |
| GL                                                                                  | LRS                                                                                 |                                                                                     |                                                                                     |                                          |

| Further information:                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br><a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a> |



last change:

Nov 1, 2012