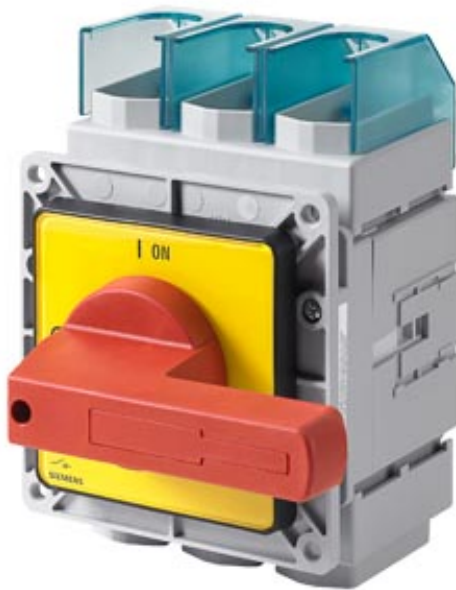




MAIN SWITCH 3-POLE FRONT MOUNTING IU=250A P/AC-23A AT 400V=132KW ROTARY ACTUATOR RED/YELLOW (EMERG. STOP) FOUR-HOLE MOUNTING

Similar to image

| General technical details:                  |    |                                     |
|---------------------------------------------|----|-------------------------------------|
| product brand name                          |    | SETRON                              |
| product designation                         |    | main and EMERGENCY-OFF switches     |
| Type from device                            |    | fixed mounting                      |
| Design of the operating mechanism           |    | knob-operated mechanism, red/yellow |
| Protection class IP                         |    | IP65                                |
| Number of poles                             |    | 3                                   |
| Acceptability for application               |    |                                     |
| • switch disconnecter                       |    | Yes                                 |
| • main switch                               |    | Yes                                 |
| • safety cut-out switch                     |    | No                                  |
| • emergency stop switch                     |    | Yes                                 |
| • 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 | 8,000       |
| Active power loss / per conductor / typical                                                 | W | 36          |
| 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   | 160       |
| Operating current / at AC-21 / rated value                                                 | A   | 250       |
| Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value | A   | 4,000     |
| Operating frequency                                                                        | Hz  | 50 ... 60 |
| Operating voltage / at 50/60 Hz / for AC / rated value                                     | V   | 690       |
| Service power / at AC-3                                                                    |     |           |
| • at 400 V / rated value                                                                   | kW  | 110       |
| • at 690 V / rated value                                                                   | kW  | 45        |
| Service power / at AC-23 A                                                                 |     |           |
| • at 400 V / rated value                                                                   | kW  | 132       |
| • at 690 V / rated value                                                                   | kW  | 55        |
| 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: 250 A |
| Design of the fuse link / for short-circuit protection of the auxiliary switch / required |  | fuse gL/gG: 10 A  |

#### Installation/mounting/dimensions:

|                                        |  |                |
|----------------------------------------|--|----------------|
| Type of mounting                       |  | front mounting |
| • front mounting                       |  | Yes            |
| • front mounting with central fixation |  | No             |

|                                       |    |     |
|---------------------------------------|----|-----|
| • front mounting with 4-hole fixation |    | Yes |
| • series installation                 |    | No  |
| • Rail installation                   |    | No  |
| <b>Width</b>                          | mm | 112 |
| <b>Height</b>                         | mm | 169 |
| <b>Depth</b>                          | mm | 94  |

| 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>  |  | 150 mm <sup>2</sup>                                        |
| • finely stranded / with conductor end processing                           |  |                                                            |
| <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>                                                                                                       |                 | UL / CSA |
| <b>Conductor cross section that can be connected / for main contacts / solid / minimum</b>                                               | mm <sup>2</sup> | 16       |
| <b>Conductor cross section that can be connected / for main contacts / solid / maximum</b>                                               | mm <sup>2</sup> | 185      |
| <b>Conductor cross section that can be connected / for main contacts / stranded / minimum</b>                                            | mm <sup>2</sup> | 16       |
| <b>Conductor cross section that can be connected / for main contacts / stranded / maximum</b>                                            | mm <sup>2</sup> | 185      |
| <b>Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum</b>       | mm <sup>2</sup> | 150      |
| <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



CCC



CSA



GOST



UL

### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

### 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/3LD2405-0TK13/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2405-0TK13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2405-0TK13)

### CAX-Online-Generator

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

last change:

Nov 1, 2012