

MAIN/EMERG. STOP SWITCH 3-POLE IU=100,
P/AC-23A AT 400V=37KW FRONT MOUNTING FOUR-
HOLE MOUNTING ROTARY ACTUATOR RED/YELLOW
(EMERG. STOP)

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, red/yellow |
| Protection class IP | | IP65 |
| Number of poles | | 3 |
| Acceptability for application | | |
| • switch disconnecter | | Yes |
| • main switch | | Yes |
| • safety cut-out switch | | Yes |
| • NETWORK OPERATING EMERGENCY OFF 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 the operating phase | °C | -25 ... 55 |
| Insulation voltage / rated value | V | 690 |
| Impulse voltage resistance / rated value | V | 6,000 |
| Real loss power / per conductor / typical | W | 7.5 |
| Mechanical switching cycle as operating period / 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 | 100 |
| Operating current / at AC-21 / rated value | A | 100 |

| | | |
|---|-----|-----------|
| Short-time current resistance (I_{cw}) / at 690 V / limited to 1 s / rated value | A | 2,000 |
| 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 | 30 |
| • at 690 V / rated value | kW | 22 |
| Service power / at AC-23a | | |
| • at 400 V / rated value | kW | 37 |
| • at 690 V / rated value | kW | 30 |
| Operating cycles / maximum | 1/h | 50 |

Auxiliary circuit:

| | | |
|--|---|-----|
| Number of NC contacts / for auxiliary contact | | 0 |
| Number of NO contacts / for auxiliary contact | | 0 |
| Number of change-over switches / for auxiliary contact | | 0 |
| Continuous current / of the auxiliary contact / rated value | A | 10 |
| Operating voltage / of the auxiliary contacts / at 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: 100 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 | | Yes |
| • Rail installation | | No |
| Width | mm | 90 |
| Height | mm | 107 |
| Depth | mm | 112.5 |

Connection type:

| | | |
|--|--|--------------------------|
| Design of the electrical connection / for main current circuit | | connection terminals |
| Design of the electrical connection / for auxiliary contact | | connection terminals |
| Type of the connectable conductor cross-section / for main contacts | | |
| • unifilar | | 4 ... 50 mm ² |

| | |
|---|--|
| <ul style="list-style-type: none"> • stranded wire / with conductor end processing | 35 mm ² |
| <ul style="list-style-type: none"> • stranded wire | 4 ... 50 mm ² |
| Type of connectable conductor cross section / for auxiliary contacts | |
| <ul style="list-style-type: none"> • solid | 2x (0.75 ... 2.5 mm ²), 1x 4 mm ² |
| <ul style="list-style-type: none"> • finely stranded / with wire end processing | 2x (0.75 ... 1.5 mm ²), 1x 2.5 mm ² |
| <ul style="list-style-type: none"> • stranded | 2x (0.75 ... 2.5 mm ²), 1x 4 mm ² |

Certificates/approvals:

Verification of suitability

CSA / UL / CCC / GL / LRS / DNV / PRS

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

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

Global 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/3LD2704-0TK53/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2704-0TK53

last change:

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