



MAIN CONTROL SWITCH 3-POLE IU=125,
P/AC-23A AT 400V=45KW 1NO+1 NC,
1 N-TERMINAL ENCAPSUL.IN M.P.ENCLOSURE,
IP65 ROTARY ACTUATOR BLACK METRIC THREAD

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 | | 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 | 12 |
| 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 | 125 |
| Operating current / at AC-21 / rated value | A | 125 |
| 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 | 37 |
| • at 690 V / rated value | kW | 30 |
| Service power / at AC-23 A | | |
| • at 400 V / rated value | kW | 45 |
| • at 690 V / rated value | kW | 37 |
| Operating cycles / maximum | 1/h | 50 |

Auxiliary circuit:

| | | |
|--|---|-----|
| Number of NC contacts / for auxiliary contacts | | 1 |
| Number of NO contacts / for auxiliary contacts | | 1 |
| 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: 125 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 | | floor mounting |
| • front mounting | | No |
| • front mounting with central fixation | | No |

| | | |
|---------------------------------------|----|-----|
| • front mounting with 4-hole fixation | | No |
| • series installation | | No |
| • Rail installation | | No |
| Width | mm | 212 |
| Height | mm | 302 |
| Depth | mm | 181 |

| 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 <ul style="list-style-type: none"> • solid • finely stranded / with conductor end processing • stranded | | 4 ... 50 mm2 35 mm² 4 ... 50 mm2 |
| Type of connectable conductor cross section / for auxiliary contacts <ul style="list-style-type: none"> • solid • stranded | | 2x (0.75 to 2.5 mm2), 1x 4 mm2 2x (0.75 ... 2.5 mm2), 1x 4 mm2 |

| Certificates/approvals: | | |
|--|-----|----------------|
| Verification of suitability | | CSA / UL / CCC |
| Conductor cross section that can be connected / for main contacts / solid / minimum | mm² | 4 |
| Conductor cross section that can be connected / for main contacts / solid / maximum | mm² | 50 |
| Conductor cross section that can be connected / for main contacts / stranded / minimum | mm² | 4 |
| Conductor cross section that can be connected / for main contacts / stranded / maximum | mm² | 50 |
| Conductor cross-section that can be connected / for main contacts / stranded wire / with conductor end processing / maximum | mm² | 35 |
| Conductor cross section that can be connected / for auxiliary contacts / solid / minimum | mm² | 0.75 |
| Conductor cross section that can be connected / for auxiliary contacts / solid / maximum | mm² | 4 |
| Conductor cross-section that can be connected / for auxiliary contact / stranded wire / with conductor end processing / minimum | mm² | 0.75 |
| Conductor cross-section that can be connected / for auxiliary contact / stranded wire / with conductor end processing / maximum | mm² | 2.5 |
| Conductor cross section that can be connected / for auxiliary contacts / stranded / min. | mm² | 0.75 |

Conductor cross section that can be connected / for auxiliary contacts / stranded / max.

mm²

4

Certificates/approvals:

General Product Approval



CSA



GOST



UL

Test Certificates

[Special Test Certificate](#)

Shipping Approval



DNV



GL



LRS

other

[Declaration of Conformity](#)



UL

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,...)

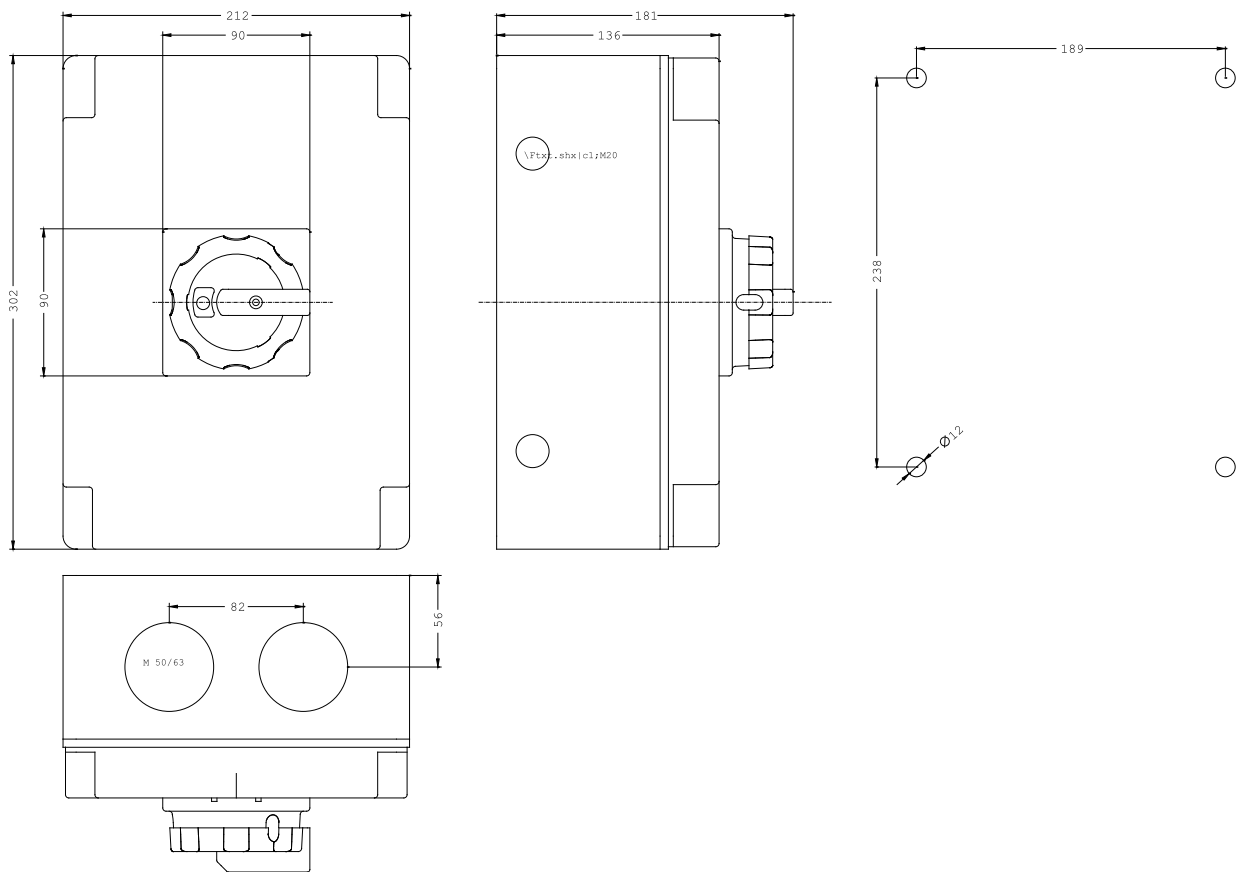
<http://support.automation.siemens.com/WW/view/en/3LD2866-1GP51/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2866-1GP51

CAX-Online-Generator

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



last change:

Apr 9, 2012