

# MSL MAINS LOCK SWITCHES

## GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

|                        |                             |
|------------------------|-----------------------------|
| Switch Rating:         | 4/80A @ 250Vac R/C          |
| Life:                  | >15,000 Cycles              |
| Operating Temperature: | -25°C to +85 °C             |
| Proof Voltage:         | 3kV min. (Initial)          |
| Insulation Resistance: | >999 MΩ at 500Vdc (Initial) |
| Contact Resistance:    | <20 mΩ (Initial)            |
| Switch contacts:       | Silver Cadmium Oxide        |
| Switch Chamber:        | Polyamide 6.6 G.F. V0 Rated |
| Tag Panel:             | SRBP                        |
| Terminals:             | Brass CZ108 Ag Plated       |
| Lock Housing:          | Zinc Alloy Bright Cr Plated |
| Keys:                  | Mild Steel Ni Plated        |

## RoHS COMPLIANT



SWITCH MODULE IS ENEC APPROVED TO EN61058 BY VDE.

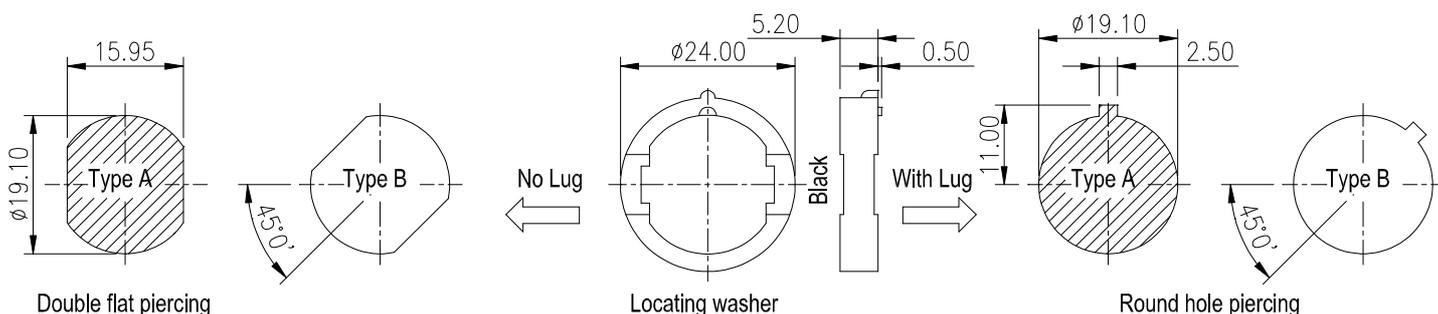
Note: CHANGEOVER TYPE HAS NO APPROVALS.

## GENERAL FEATURES

- Made in UK.
- Two part construction. The lock is inserted into the panel from the front. The mains switch module either bracketed or snap-on, from the rear of the panel.
- Standard solder terminals (Printed circuit terminals optional – add /P to part number).
- Two keys per lock. Additional keys to order.
- Keys to pass (same key all locks) or differ (different key per lock).

| CIRCUITRY   | TERMINAL LAYOUT VIEWED FROM REAR OF SWITCH | KEY WITHDRAWAL POSITIONS |
|---|--|--------------------------|
| 2 POLE OFF-ON   |  |                          |
| 2 POLE 1 OFF 1 ON   |  |                          |
| 2 POLE ON-OFF (NORMALLY CLOSED)   |  |                          |
| 2 POLE CHANGEOVER (No approvals)  |  |                          |
| NOTE: By externally linking the two pole terminals a 1 pole c/o is made |  |                          |

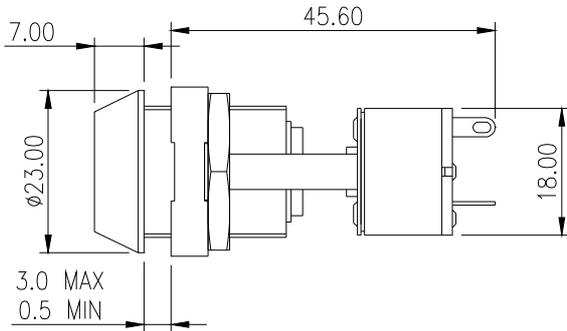
## MOUNTING DETAILS FOR BRACKETED MSL, MIS LOCKSWITCHES



# MSL MAINS LOCK SWITCHES

## MSL

### LOCKSWITCH WITH BRACKETED MS MODULE



| STANDARD MSL SWITCHES & PART NUMBERS |                   |                   |             |                            |
|--------------------------------------|-------------------|-------------------|-------------|----------------------------|
| 2 POLE OFF-ON                        | 2 POLE 1-OFF 1-ON | 2 POLE CHANGEOVER | KEY NUMBERS | POSITION IN WHICH KEY FREE |
| MSL 8601B                            | MSL 8603B         | MSL 8605B         | Differs     | 0° and 90° (1+4)           |
| MSL 8602B                            | MSL 8604B         | MSL 8606B         | Same        | 0° and 90° (1+4)           |
| MSL 8609A                            | MSL 8611A         | MSL 8613A         | Differs     | 0° only (1)                |
| MSL 8610A                            | MSL 8612A         | MSL 8614A         | Same        | 0° only (1)                |

**LOCK TYPE:** 8 Disc with built-in anti-pick system.

**LOCK MOVEMENT:** 90° Steps.

**LOCK COMBINATIONS:** 2000 differs or all to pass (same key for all locks).

**KEY TYPE:** Flat, double entry (key can be inserted into the lock either way up).

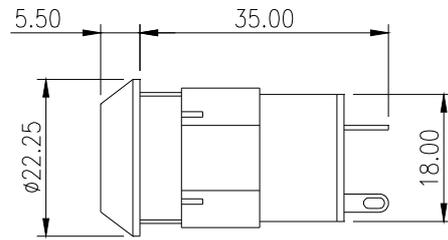
**MASTER KEY SYSTEM AVAILABLE:** Yes.

**MAXIMUM PANEL THICKNESS:** 3mm.

**MODULE TYPE:** Bracketed (the switch module is fitted to a "U" shaped bracket).

## MSL5

### LOCKSWITCH WITH SNAP-ON MS MODULE



| STANDARD MSL5 SWITCHES & PART NUMBERS |                   |                   |             |                            |
|---------------------------------------|-------------------|-------------------|-------------|----------------------------|
| 2 POLE OFF-ON                         | 2 POLE 1-OFF 1-ON | 2 POLE CHANGEOVER | KEY NUMBERS | POSITION IN WHICH KEY FREE |
| MSL 8621                              | MSL 8625          | MSL 8629          | Differs     | 0° and 90° (1+4)           |
| MSL 8622                              | MSL 8626          | MSL 8630          | Same        | 0° and 90° (1+4)           |
| MSL 8623                              | MSL 8627          | MSL 8631          | Differs     | 0° only (1)                |
| MSL 8624                              | MSL 8628          | MSL 8632          | Same        | 0° only (1)                |

**LOCK TYPE:** 5 Disc.

**LOCK MOVEMENT:** 90° Steps.

**LOCK COMBINATIONS:** 200 differs or all to pass (same key for all locks).

**KEY TYPE:** Flat, double entry (key can be inserted into the lock either way up).

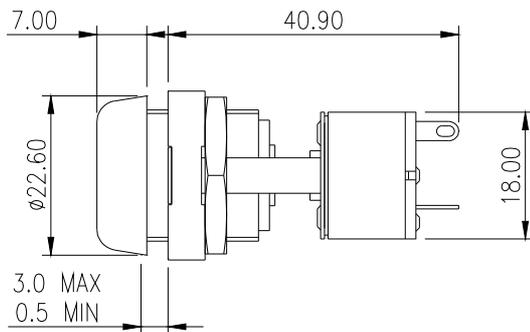
**MASTER KEY SYSTEM AVAILABLE:** Yes.

**MAXIMUM PANEL THICKNESS:** 3.4mm.

**MODULE TYPE:** Snap-on

## MIS(Impulsion)

### LOCKSWITCH WITH BRACKETED MS MODULE



| STANDARD MIS SWITCHES & PART NUMBERS |                   |                   |             |                            |
|--------------------------------------|-------------------|-------------------|-------------|----------------------------|
| 2 POLE OFF-ON                        | 2 POLE 1-OFF 1-ON | 2 POLE CHANGEOVER | KEY NUMBERS | POSITION IN WHICH KEY FREE |
| MIS 8659                             | MIS 8661          | MIS 8663          | Differs     | 0° only (1)                |
| MIS 8660                             | MIS 8662          | MIS 8664          | Same        | 0° only (1)                |

**LOCK TYPE:** 3 Disc impulsion lock (spring back to position 1)

**LOCK MOVEMENT:** 90° Steps.

**LOCK COMBINATIONS:** 2000 differs or all to pass (same key for all locks).

**KEY TYPE:** Flat, double entry (key can be inserted into the lock either way up).

**MASTER KEY SYSTEM AVAILABLE:** Yes.

**MAXIMUM PANEL THICKNESS:** 3mm.

**MODULE TYPE:** Non-Approved - Bracketed (the switch module is fitted to a "U" shaped bracket).