

## Trapped Dual Key Bolt Interlocks

Dual key bolt interlock is similar to the single key version but has a secondary key to allow '2 key in' or 'key exchange' conditions. The key exchange version may be used where whole body access is required, as the secondary key can be used as a personnel key.

- Direct drive push/pull operation
- 316 Stainless steel construction
- Fitted with tamper resistant screws
- Virtually maintenance free
- Weatherproof stainless steel dust cap as standard
- Screws may be applied from the rear for increased tamper resistance
- Conforms to EN292, EN1088 & GS ET 19



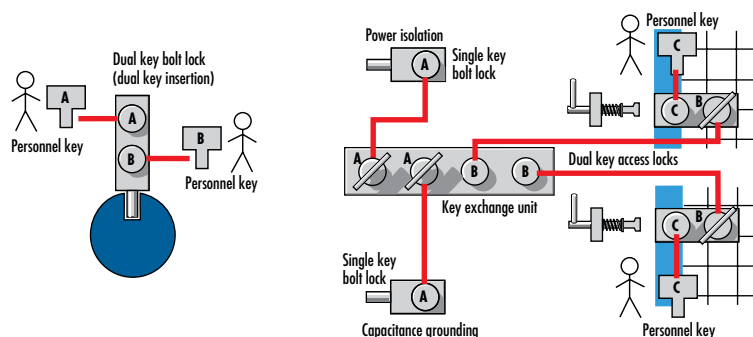
## Specifications

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Ambient Temperature:         | -40 to 200°C (-40 to 392°F)                               |
| Mechanical Operations:       | >10 <sup>6</sup>                                          |
| Max. Shear Force to Key:     | 15.1 kN                                                   |
| Max. Torque to Key:          | 14 Nm                                                     |
| Relative Operating Humidity: | 25% to 95%                                                |
| Weight:                      | DBL: (1.10 kg) 2.64 lb.)                                  |
| Material:                    | 316L stainless steel                                      |
| Mounting:                    | DBL: 4 x 3/8 in. from top<br>DBL: 4 x 3/8 in. from bottom |
| Code Barrels:                | Tested to 1,000,000 operations                            |
| Bolt:                        | 15 mm Ø (0.625 in. Ø)                                     |
| Conforms to Standards:       | Relevant clauses EN292, EN1088 & GS ET 19                 |

Specifications are subject to change without notice.

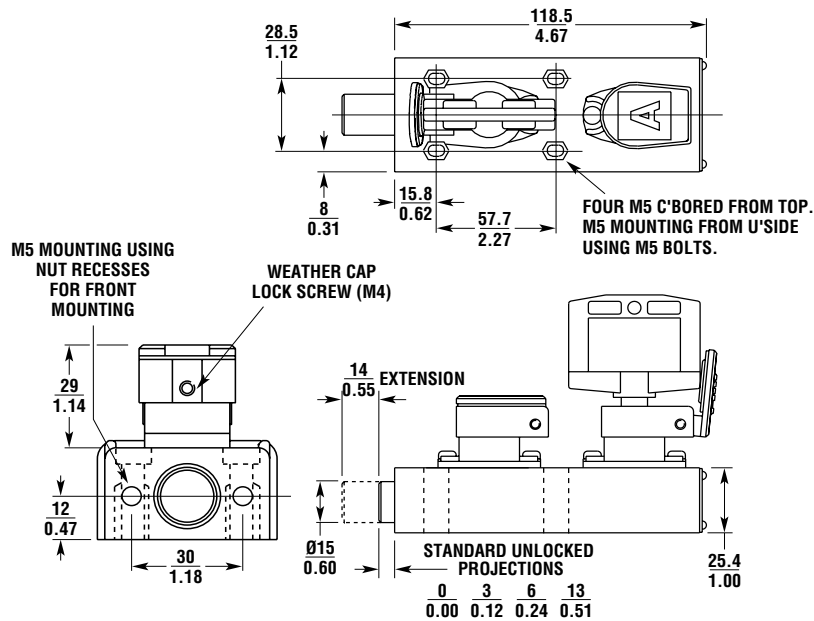
M

## Applications



## Dimensions

(mm/in.)



## Ordering

## Dual Key Bolt Interlock—

Dual key condition, both keys trapped to operate

| Type/Bolt Part No. | Projection       |                  |
|--------------------|------------------|------------------|
|                    | (Retracted)      | (Extended)       |
| DBL 10             | 0 mm (0 in.)     | 14 mm (0.55 in.) |
| DBL 11             | 3 mm (0.12 in.)  | 17 mm (0.67 in.) |
| DBL 12             | 6 mm (0.24 in.)  | 20 mm (0.79 in.) |
| DBL 13             | 13 mm (0.51 in.) | 27 mm (1.06 in.) |

## Dual Key Bolt Interlock—

Exchange key condition, one key in and one key out

| Type/Bolt Part No. | Projection       |                  |
|--------------------|------------------|------------------|
|                    | (Retracted)      | (Extended)       |
| DBL 14             | 0 mm (0 in.)     | 14 mm (0.55 in.) |
| DBL 15             | 3 mm (0.12 in.)  | 17 mm (0.67 in.) |
| DBL 16             | 6 mm (0.24 in.)  | 20 mm (0.79 in.) |
| DBL 17             | 13 mm (0.51 in.) | 27 mm (1.06 in.) |

Codes 'A' to 'Z' available excluding the letter 'Q'. To specify coding, add the key code of your choice to the part no. from the Key Code Table. i.e. DBL14(A) [B] is a key exchange unit with the secondary key supplied trapped. **Primary key is ordered separately.**

## Key Codes

(....) = Primary key / key free

[....] = Secondary key / key trapped

| Codes |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|
| A     | Aa | Ab | Ac | Ad | Ae | Af |
| B     | Ba | Bb | Bc | Bd | Be | Bf |
| C     | Ca | Cb | Cc | Cd | Ce | Cf |
| D     | Da | Db | Dc | Dd | De | Df |
| E     | Ea | Eb | Ec | Ed | Ee | Ef |
| F     | Fa | Fb | Fc | Fd | Fe | Ff |
| G     | Ga | Gb | Gc | Gd | Ge | Gf |
| H     | Ha | Hb | Hc | Hd | He | Hf |
| I     | Ia | Ib | Ic | Id | Ie | If |
| J     | Ja | Jb | Jc | Jd | Je | Jf |
| K     | Ka | Kb | Kc | Kd | Ke | Kf |
| L     | La | Lb | Lc | Ld | Le | Lf |
| M     | Ma | Mb | Mc | Md | Me | Mf |
| N     | Na | Nb | Nc | Nd | Ne | Nf |
| O     | Oa | Ob | Oc | Od | Oe | Of |
| P     | Pa | Pb | Pc | Pd | Pe | Pf |
| R     | Ra | Rb | Rc | Rd | Re | Rf |
| S     | Sa | Sb | Sc | Sd | Se | Sf |
| T     | Ta | Tb | Tc | Td | Te | Tf |
| U     | Ua | Ub | Uc | Ud | Ue | Uf |
| V     | Va | Vb | Vc | Vd | Ve | Vf |
| W     | Wa | Wb | Wc | Wd | We | Wf |
| X     | Xa | Xb | Xc | Xd | Xe | Xf |
| Y     | Ya | Yb | Yc | Yd | Ye | Yf |
| Z     | Za | Zb | Zc | Zd | Ze | Zf |



For coding details and referencing, see page M5.



To order keys, see Accessories on page M30.

**OMRON AUTOMATION AND SAFETY • THE AMERICAS HEADQUARTERS** • Chicago, IL USA • 847.843.7900 • 800.556.6766 • [www.omron247.com](http://www.omron247.com)

**OMRON CANADA, INC. • HEAD OFFICE**

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • [www.omron247.com](http://www.omron247.com)

**OMRON ELECTRONICS DE MEXICO • HEAD OFFICE**

México DF • 52.55.59.01.43.00 • 01-800-226-6766 • [mela@omron.com](mailto:mela@omron.com)

**OMRON ELECTRONICS DE MEXICO • SALES OFFICE**

Apodaca, N.L. • 52.81.11.56.99.20 • 01-800-226-6766 • [mela@omron.com](mailto:mela@omron.com)

**OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE**

São Paulo, SP, Brasil • 55.11.2101.6300 • [www.omron.com.br](http://www.omron.com.br)

**OMRON ARGENTINA • SALES OFFICE**

Cono Sur • 54.11.4783.5300

**OMRON CHILE • SALES OFFICE**

Santiago • 56.9.9917.3920

**OTHER OMRON LATIN AMERICA SALES**

54.11.4783.5300

**OMRON EUROPE B.V.** • Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. • +31 (0) 23 568 13 00 • [www.industrial.omron.eu](http://www.industrial.omron.eu)

*Authorized Distributor:*

**Automation Control Systems**

- Machine Automation Controllers (MAC) • Programmable Controllers (PLC)
- Operator interfaces (HMI) • Distributed I/O • Software

**Drives & Motion Controls**

- Servo & AC Drives • Motion Controllers & Encoders

**Temperature & Process Controllers**

- Single and Multi-loop Controllers

**Sensors & Vision**

- Proximity Sensors • Photoelectric Sensors • Fiber-Optic Sensors
- Amplified Photomicrosensors • Measurement Sensors
- Ultrasonic Sensors • Vision Sensors

**Industrial Components**

- RFID/Code Readers • Relays • Pushbuttons & Indicators
- Limit and Basic Switches • Timers • Counters • Metering Devices
- Power Supplies

**Safety**

- Laser Scanners • Safety Mats • Edges and Bumpers • Programmable Safety Controllers • Light Curtains • Safety Relays • Safety Interlock Switches