



## APPLICATION GUIDE IEC 60947-3 3F LOCKOUT ISOLATORS

### Product Features

#### M700 Door Interlock

- Padlockable in 'OFF' only, safety requirement according to IEC60947-3
- In 'ON' the door interlock is engaged, the cabinet cannot be opened
- In 'ON' the door interlock can be defeated by using a tool, authorised entry only
- The door interlock re-engages when the door is closed after authorised defeat in 'ON'
- In 'OFF' and padlocked, the door interlock defeat is disabled – no access
- When the door is opened the handle position is locked – assured alignment
- Mechanical Position Indicator on the switch module visible when the door is open
- Internal Padlock Device on switch module
- Robust, keyed, floating head on switch shaft

#### KG Switch Disconnectors

- 13/14mm contact gap 690v-100v insulation
- High AC3 and AC23 ratings
- Large, fingerproof IP20 box type terminals
- Double break forced opening safety rated auxiliary contacts, silver or gold, 1-6 N/O-N/C
- Positive drive make and break main contacts: 3 to 8 poles OFF, ON, 3 or 4 pole C/O
- IEC60947-3 3F disconnecter handle, isolation is assured 'OFF' is 'OFF'

#### General Features

- Custom colours and engraving for escutcheon plates and header labels
- Scratch proof reverse engraving
- IP65 dust and water protection
- Robust, double insulated handle
- Asymmetric shaft and interlock profiles ensure the handle position matches the switch position
- Fixed length shaft ensures shaft must engage with the handle

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### IEC60947-1

#### Equipment Suitable For Isolation – The Following Clauses Apply

##### Clause 7.1.6 Additional constructional requirements suitable for isolation

##### Clause 7.1.6.1 Additional constructional requirements

Equipment suitable for isolation shall provide, in the open position (see 2.4.21) an isolation device in accordance with the requirements necessary to satisfy the isolation function (see 7.2.3.1 and 5.2.2) electric test

Indication of the position of the mains control shall be provided by one or more of the following means

- (1) The position of the actuator
- (2) A separate mechanical indicator
- (3) Visibility of the moving contacts

The effectiveness of each of the means of indication provided on the equipment and the mechanical strength shall be verified in accordance with Clause 8.2.5

**Clause 8.2.5** Verification of the effectiveness of indication of the main contact position of equipment suitable for isolation. To verify the effectiveness of the indication of the main contact position, all means of indication of contact position shall continue to function correctly after the operational performance type tests, and special durability tests (if performed)

#### Switch Classification

All low voltage switches installed in Australia and New Zealand shall meet IEC60947 and carry the appropriate easily identifiable symbol depending on the switch classification

##### Switch



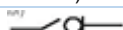
A mechanical switching device capable of making and breaking currents under normal conditions, which may include specified overload conditions according to the duty and abnormal circuit conditions such as short circuit (motor reversing switches, control switches, start data switches, etc.

##### Disconnecter



A mechanical switching device which, in the open position, complies with the requirements specified for the isolating function (Off load isolator)

##### Switch Disconnecter



A 'Switch' which in the open position, complies with the requirements specified for the isolating function (On load isolator)

