

- Electrical Lockout kits
- Electrical Vehicle Safety
- Safety Padlocks
- Lockout Hasp Packs
- Lockout Tag Packs
- Circuit Breaker lockout Packs
- Lockout Safety Step Section





# INTRODUCTION

Many industrial accidents are caused by the unexpected energisation or start up of machines/equipment or by the uncontrolled release of energy. These accidents can be prevented by proper Lockout/Tagout procedures.

The Health & Safety at Work Act [1974] legally obliges all companies in the UK to comply with the Electricity at Work [1989] and PUWER [1998] Regulations where it is mandatory to apply Lockout Tagout to all "Energy Sources" which primarily relate to, although not exclusively, Electrical Isolation points. The BS 7671:2018 18th Edition is well known across all industries and Trades and this specifically refers to the use of Lockout Tagout for safe working. All the range of kits allow compliance with these Regulations.

To perform service and maintenance work on industrial equipment safely, you must understand the importance of energy control and the current regulations. You must also know how to apply energy isolation and Lockout/Tagout.



# WHAT IS LOCKOUT / TAGOUT

A Lockout is a method of keeping equipment from being set in motion and endangering workers:

- A disconnect switch, circuit breaker, valve or other energy isolation mechanism is put in the safe or off position.
- A safety device is placed over the energy-isolating mechanism to hold it in the safe position. This is where Reece Safety Lockout/Tagout products are essential.
- A padlock is attached so that the equipment cannot be energised.

In a Tagout, the energy-isolation device is placed in the safe position and a written warning is attached to it. All Lockout and Tagout materials are supplied by the employer. Each device must be:

- Durable to withstand wear.
- Substantial, so it will not come off easily.
- Capable of identifying the person who applied it.

Many companies issue each worker authorised to apply Lockout/Tagout with their own personal padlock imprinted with his/her name.

## Using Lockout / Tagout

Lockout/Tagout is necessary whenever you are performing service or maintenance in proximity to a machine where you could be injured by:

- Unexpected start up of the equipment.
- Release of stored energy.

#### Two situations which are most likely to need Lockout/Tagout:

- When you must remove or bypass a guard or other safety device.
- When you must place any part of your body where you could be caught by moving machinery.

Some jobs for which Lockout/Tagout should be used are:

- Repairing electrical circuits.
- Cleaning or oiling machinery with moving parts.
- Clearing jammed mechanisms.

Legislation requires each employer to use Lockout/Tagout equipment. It's your responsibility to follow whichever system has been chosen for your workplace.

## Simple Steps to Locking Out with the 9-Step Isolation Procedure

#### **STEP 1: PREPARE**

Responsible individual in charge:

- Reviews the Work Order.
- Performs a pre-job briefing if required.
- Reviews the machinery, equipment and process together with any associated risk assessment and Safe Working Practice.
- Complete associated paperwork or a permit/schedule of isolation for the work.

#### **STEP 2: NOTIFY**

Responsible individual notifies ALL affected individuals:

- Via control room, radio, physical entry to the area or other appropriate method.
- Notifies people that the equipment will be isolated.
- Advises them to stay clear.
- Instructs them not to operate the equipment or process.

#### **STEP 3: TURN OFF/SHUTDOWN**

The responsible individual for LOTOTO:

- Turns off, shuts-down and de-energizes the equipment by referring to the specific procedure.
- The machine or equipment shall be shut down in an orderly manner to avoid additional hazards due to stoppage.

### **STEP 4: ISOLATION**

#### All Personnel:

- Where safe to do so, starting and running the equipment, prior to isolation identifies if the machine has other electrical defects which could compromise the isolation process.
- The machine or equipment shall be isolated by using its energy isolating devices and not its operating controls.
- Don't use the STOP button or EMERGENCY STOP for isolation.
- Physical barriers are to be equipped with a locking device.
- Consider and isolate all other sources of energy. e.g. Hydraulic and Pneumatic.
- If panels have a window where physical.

### STEP 5: APPLY LOCK

One Lock, One Person, One Energy Source:

- Locks should be applied to each energy isolation device.
- A personal lock plus a tag to be fitted to each isolation point.
- Additional persons on the same equipment must apply their own lock and tag.
- Check isolation cannot be defeated [multi-hasp and padlocks secure].

#### Apply Tags

If any energy source is unable to be locked out, an alternative method and information tag must be applied as a means of protection. For example:

Plus further measures:

- Pull fuses [lock them in a lock box for instance] or take air pipes off.
- Blocking or controlling of a switch.
- Bleeding lines, valves and tanks
- Securing valve handles
- Locking rooms
- Other effective means
- Action plan raised to address issue
- Procedures for locking out and applying tags to non standard equipment must always be assessed and discussed with a supervisor/manager



# WHAT IS LOCKOUT / TAGOUT

- Ensure distribution board is locked
- Tag removed only by responsible authorised person
- Tag never bypassed, ignored or defeated.

### **STEP 6: ZERO ENERGY STATE**

- Is where all hazardous energy has been relieved, and rendered safe.
- Where stored energy still presents a hazard, additional procedures shall be developed to dissipate it or restrain it [e.g. chains].
- Make sure they work [try out].
- Ensure energy can not re-accumulate [air systems].
- Remember conveyors for instance roll back if no backstop is fitted.

#### **STEP 7: TRYOUT**

Attempt to operate the equipment by its normal operating controls [either from the control room or from the local start], to ensure the correct equipment or process:

- Has been de-energized
- Will not operate

Where equipment can be started from more than one source confirm try start process with site electrical support if in any doubt.

Pay particular attention to, and care with automated equipment operated via sensors, timers, etc. which may start unexpectedly. e.g. Packers, Palletisers

- If the equipment or process operates:
- Equipment shall be shut down
- Supervisor shall be notified
- Near Hit raised
- Investigation to be completed

#### ALWAYS TEST BEFORE YOU TOUCH

Prove the integrity and effectiveness of isolations before beginning work. All isolations must be secured, monitored and maintained throughout the work task.

## 9-Step Isolation Procedure

#### **STEP 8: PERFORM TASK**

Complete the task as per the risk assessment and safe working practice requirements. If at any point it is suspected that stored or other energy has not been isolated or rendered safe, immediately:

- Stop the task
- Withdraw all personnel
- Implement control measures
- Report Near Hit
- Investigate

#### **STEP 9: INSPECT AND RESTORE**

Responsible individual to:

- Visually inspect the area
- Guarding MUST be in place and secure
- Notify all affected individuals that power will be restored and ensure everyone is clear of the equipment
- Remove all lock-out devices and tags. Never remove another individual's personal locks or tags
- Restore all devices to the operating position and verify it is operating properly
- Notify the supervisor or production that the equipment or process is back in service
- Complete associated paperwork including Isolation Registers, and permits where required
- Have a procedure for test running if required
- Transfer ownership back to production
- Refix locks if it doesn't restart





## **Bespoke Lockout Kits**

Our range of Lockout Kits are designed to cover the needs across the full range of users – from apprenticeships and training through to full contractor kits needing equipment for a small team. All serve the same purpose in safely isolating energy sources to avoid accidental re-energisation which has often led to serious injury or death. Many companies will use kits to roll out Lockout to ensure that all employees have the basic essential equipment to give the safety benefits and compliance with the Safety Regulations enforced under the Health & Safety at Work Act [1974].

Our Lockout kits are assembled using products made by our World class manufacturing partner and all these products have been designed and are successfully in use across the globe so our credentials in the market are well above others operating in this space. Opportunities will also arise for the bulk supply of the Lockout Tagout components in these kits and these are readily available either as individual packs in this range or higher volumes can be satisfied by bulk orders of the loose parts.

## Mini Loto Kit

### Kit Contents:

- 1 x COMPBPL125 [Brass Padlock]
- 1 x CB16 No tool circuit breaker lockout





# Domestic Installer Loto Kit

### Kit Contents:

- 1 x TT38RED 38mm safety padlock, steel shackle with keyed to differ
- 1 x CB05 MCB Lockout push button operated, pin out fixing
- 1 x CB06 MCB Lockout push button operated, pin in fixing
- 1 x MLH5 Lockout hasp, steel red coated 25mm dia for upto 6 padlocks
- 1 x UCL1 Universal circuit breaker lockout
- 1 x RPT32AR Safety tag "Lockout out, Do not operate" at 50 x 110mm
- 1 x CBTIE-SINGLE Cable tie 100mm long
- 1 x RWPT01 Water based non-permanent marker pen
- 1 x SPOUCH-UB Unbranded pouch



Code	Ref No.	Description
2483-8708	LOTO KIT C	Domestic Installer LOTO Kit



 Kit Contents:

 1 x TT38RED 38mm safety padlock, steel shackle with keyed to differ

 1 x CB12 MCB toggle lockout

 1 x UCL1 Universal circuit breaker lockout

**Personal Loto Kit** 

- 1 x RPT32AR Reusable safety tag "Lockout out, Do not operate" at 50 x 110mm
- 1 x CBTIE-SINGLE Cable tie 100mm long
   1 x SPOUCH-UB Unbranded nouch
- 1 x SPOUCH-UB Unbranded pouch



Code	Ref No.	Description
2483-8705	LOTO KIT B	Personal LOTO Kit

Service and Support: +44 (0) 1302 342 642  $\,\cdot\,$  mcg.co.uk  $\,\cdot\,$   $\chi$  mcg\_industrial



## Domestic Installer Loto Kit [Non Conductive]

### Kit Contents:

- 1 x NC38RED 38mm safety padlock, Nylon shackle [Non Conductive] with keyed to differ
- 1 x CB05 MCB Lockout push button operated, pin out fixing
- 1 x CBO6 MCB Lockout push button operated, pin in fixing
- 1 x MLH7 Non conductive flexible nylon lockout hasp, 6 padlock capacity
- 1 x UCL1 Universal circuit breaker lockout
- 1 x RPT32AR Safety tag "Lockout out, Do not operate" at 50 x 110mm
- 1 x CBTIE-SINGLE Cable tie 100mm long
- 1 x RWPT01 Water based non-permanent marker pen
- 1 x SPOUCH-UB Unbranded pouch



 Code
 Ref No.
 Description

 2483-8711
 LOTO KIT D
 Domestic Installer LOTO Kit Non Conductive

## **Universal Team Loto Kit**

#### Kit Contents:

- 1 x TT38RED, 1 x TT38YLW, 1 x TT38TEA
   38mm safety padlocks, steel shackle with keyed to differ
- 1 x CB05 MCB Lockout push button operated, pin out fixing
- 1 x CB06 MCB Lockout push button operated, pin in fixing
- 1 x CB12 MCB toggle lockout
- 1 x CB13 Grip tight MCB lockout [Sideways fitting]
- 1 x CB14 Grip tight MCB lockout [Over toggle fitting]
- 1 x MLH5 Lockout hasp, steel red coated 25mm diameter for up to 6 padlocks
- 5 x CBTIE-SINGLE Cable ties 100mm long
- 5 x LSE10T-UB5 Reusable safety tags unbranded "Do not operate" at 80 x 145mm
- 1 x RWPT01 Water based non-permanent marker pen
- = 1 x CBAG01-UB Canvas waist pouch [Front/top opening pockets] unbranded



Code	Ref No.	Description	
2604-7954	LOTO KIT E	Universal Team LOTO Kit	





## **Contractor Loto Kit**

### **Kit Contents:**

- 1 x TT38RED 38mm safety padlock, steel shackle with keyed to differ
- 1 x CB05 MCB Lockout push button operated, pin out fixing
- = 1 x CBO6 MCB Lockout push button operated, pin in fixing
- 1 x CB13 Grip tight MCB lockout [Sideways fitting]
- 1 x CB14 Grip tight MCB lockout [Over toggle fitting]
- 1 x MLH5 Lockout hasp, steel red coated 25mm diameter for up to 6 padlocks
- 1 x UCL1 Universal circuit breaker lockout
- 5 x RPT32AR Safety tags unbranded "Lockout out, Do not operate" at 50 x 110mm
- 5 x CBTIE-SINGLE Cable ties 100mm long
- 1 x RWPT01 Water based non-permanent marker pen
- = 1 x CBAG01-UB Canvas waist pouch [Front/top opening pockets] unbranded



 Code
 Ref No.
 Description

 2483-8717
 MCB-KITIN
 Contractor LOTO Kit

## **Electric & Hybrid Vehicle Intervention Kit**

#### Kit Contents:

- High visibility panel printed with Emergency Resuscitation instructions and Battery acid spill instructions
- Rescue hook suited up to 1000V
- Polycarbonate visor to protect face from molten metal from arcing
- Insulating Class O Electrical safety gloves
- Storage case for gloves
- Neutralising salts and litmus paper for acid spills

Code	Ref No.	Description
2792-7394	EVSKIT	Electrical & Hybrid Vehicle Intervention Kit

## **Electrical Vehicle Installers Loto Kit**

### Kit Contents:

- 3 x TT38GRN 38mm green safety padlocks, steel shackle with keyed to differ
- 1 x CB05 MCB Lockout push button operated, pin out fixing
- 1 x CB06 MCB Lockout push button operated, pin in fixing
- 1 x CB13 Grip tight MCB lockout [Sideways fitting]
- 1 x CB14 Grip tight MCB lockout [Over toggle fitting]
- 1 x MLH5 Lockout hasp, steel red coated 25mm diameter for up to 6 padlocks
- 1 x UCL1 Universal circuit breaker lockout
- 5 x RPT32AR Safety tags unbranded "Lockout out, Do not operate" at 50 x 110mm
- 5 x CBTIE-SINGLE Cable tie 100mm long
- 1 x RWPT01 Water based non-permanent marker pen
- 1 x CBAG01-UB Canvas waist pouch [Front/top opening pockets] unbranded



LUUE	KEI NU.	Description
2624-9539	LOTO EV-KIT	Electrical Vehicle Installer LOTO



Kit



## **SAFETY LOCKOUT KIT**

A complete Safety Lockout set that includes the following products:

## **Domestic Installer Non-conductive Lockout Kit**

### Contents:

- 1 x NC38RED 38mm safety padlock, Nylon shackle [Non Conductive] with keyed to differ
- = 1 x CB05 MCB Lockout push button operated, pin out fixing
- 1 x CBO6 MCB Lockout push button operated, pin in fixing
- 1 x MLH7 Non conductive flexible nylon lockout hasp, 6 padlock capacity
- = 1 x CB12 Aluminium MCB Toggle lockout
- 1 x RPT32AR Safety tag
   "LOCKOUT OUT, DO NOT OPERATE" at 50 x 110mm
- 1 x CBTIE-SINGLE Cable tie 100mm long
- 1 x RWPT01 Water based non-permanent marker pen
- 1 x SPOUCH-UB Unbranded pouch

## Ethos 4164V / Continuity Tester

### Features:

- 2 Pole
- LED indication
- AC/DC voltage indication 12V-690V
- Continuity test
- Voltage warning LED
- Phase rotation test
- Polarity indication
- Built-in torch
- Self test

## **Ethos 4299 Proving Unit**

### Features:

- Intelligent voltage ramp testing for voltage indicators & multi-meters
- 5-step nominal output voltages 50-400V
- Non-contact voltage detector proving function
- Automatic ON/OFF function
- Rugged heavy duty protective surround



Code	Ref No.	Description
2815-7359	SAFETY LOCKOUT KIT	Safety Lockout Kit





# **SAFETY PADLOCKS**

## **Terminology used with Padlocks**



Each padlock is keyed differently.



**Keyed Alike** Each padlock is keyed the same, 1 key will open all padlocks.



Master & Differ Keyed Each padlock is keyed differently. Master keys will override and open any of these padlocks.

## Nylon Body Safety Padlock with Steel Shackle

These nylon body Keyed to Differ safety padlocks with steel shackles are a cost effective solution to meet your lockout requirements.

- High security key cylinder with up to 100,000 combinations
- Body and keys etched with key number as standard
- 9 different colour options available for clear identification
- Standard safety/owner label on both sides

Ref No.

TT38RED

Durable and lightweight with non-conductive lock bodies

Pack Contains: 1 x TT38RED 38mm RED safety padlock keyed to differ plus key

Description





## **TECHNICAL DATA**

- Body Size: 38mm [1<sup>1</sup>/<sub>2</sub>"] W x 44mm [1<sup>3</sup>/<sub>4</sub>"] H А
  - Shackle Clearance: 38mm [1<sup>1</sup>/<sub>2</sub>"] R
- С Shackle Diameter:  $6.4 \text{ mm} \left[\frac{1}{4}\right]$ 
  - Weight: 110g

## Nylon Body Safety Padlock with Non Conductive Plastic Shackle

These nylon body Keyed to Differ safety padlocks with non-conductive plastic shackles are a cost effective solution to meet your lockout requirements.

**RED Safety Padlock Keyed to Differ** 

- High security key cylinder with 20,000 combinations
- Key retaining

Code

2483-8735

- Body and keys etched with key number as standard
- 9 different colour options available for clear identification
- Standard safety/owner label on both sides
- Durable and lightweight with non-conductive lock bodies

Pack Contains: 1 x NC38RED 38mm RED safety padlock keyed to differ plus key

Code	Ref No.	Description
2483-8726	NC38RED	RED Safety Padlock Keyed to Differ

## 25mm Padlock, Brass

Steel shackle 

Cod

- Solid brass body
- 2 Keys included

Code Ref No. Description 2560-8754 COMPBPL125 25mm Safety Padlock, Brass





### **TECHNICAL DATA**

- Body Size: 38mm [1<sup>1</sup>/<sub>2</sub>"] W x 44mm [1<sup>3</sup>/<sub>4</sub>"] H А
- Shackle Clearance: 38mm [1<sup>1</sup>/<sub>2</sub>"] B
- С Shackle Diameter: 6.4mm [1/4"] Weight: 74g





# LOCKOUT HASP PACKS & LOCKOUT TAG PACKS

## Stainless Steel Safety Lockout Hasp

Manufactured from 316 stainless steel with a bright, durable nickel plated finish.

6 padlock capacity. Unique design prevents the hasp being "overridden" and removed.

**Pack Contains:** 1 x MLH1 Stainless steel lockout hasp.

### **TECHNICAL DATA**



Size: 48mm [1.88"] W x 1234mm [4.84"] H Hasp Shackle Clearance: 25mm Dia [0.98"] W x 40mm [1.57"] H Padlock Holes: 8mm [0.31"] Weight: 112g

Code	Ref No.	Description
1870-5298	MLH1	Stainless Steel Lockout Hasp

## Safety Lockout Hasp - 25mm

Manufactured from steel with a red plastic coated body. Scissor action with 1"[25mm] diameter jaw size.

### Pack Contains: 1 x MLH5

Lockout hasp, steel red coated 25mm diameter for up to 6 padlocks.

## **TECHNICAL DATA**

Size: 40mm [1.57"] W x 114mm [4.48"] H Hasp Shackle Clearance: 25mm Dia [1"] Padlock Holes: 10mm [0.39"] Weight: 100g

Ref No.

MLH5

Code 2483-8720 Description Scissor Action Lockout Hasp, 25mm Jaws

## Non Conductive Flexible Lockout Hasp

Manufactured from heavy duty flexible nylon. Can easily be manipulated into place. Ideal for difficult applications. 6 padlock capacity.

## Pack Contains: 1 x MLH7

Non conductive flexible nylon lockout hasp, 6 padlock capacity.

### **TECHNICAL DATA**

Size: 50mm [1.96"] W x 175mm [6.88"] H Hasp Shackle Clearance: 25mm [1"] to 22mm [0.86"] W x 80mm [3.14"] H Padlock Holes: 9mm [0.35"] Weight: 32g

Code	Ref No.	Description
2483-8723	MLH7	Flexible Nylon Lockout Hasp



## 'Do Not Operate' Safety Lockout Tag

These highly visible safety tags aid the safe running and maintenance of site machinery. Each tag is manufactured from high impact styrene, ensuring it will withstand a multitude of weather and factory conditions.

### Pack Contains: 10 x RPT32AR

Safety tags "Lockout out, Do not operate" at 50 x 110mm



Do not

operate

Remark

Signed by

Date

Code	Ref No.	Description
2483-8729	RPT32AR	Safety Tag 'Lockout Out, Do Not Operate' [Pack of 10]

## Reuseable Styrene Safety Lockout Tag

These highly visible safety tags aid the safe running and maintenance of site machinery. Each tag is manufactured from high impact styrene, ensuring it will withstand a multitude of weather and factory conditions.

### Pack Contains: 10 x LSE10T-UB

Reusable safety tags unbranded "**Do not operate**" at 80 x 145mm

Code	Ref No.	Description
2483-8714	LSE10T-UB	Reuseable Styrene Tag 80 x 145mm, Unbranded [Pack of 10]

# Water Based Non-permanent Pen

Ideal for writing on reusable lockout tags



Code	Ref No.	Description
2483-8732	RWPT01	Water Based Non-permanent Pen







# **MCB LOCKOUT PACKS**

## Grip Tight MCB Lockout [Sideways Fitting]

- Locates sideways onto the toggle
- Universal fit
- Secure mounting for a solid lockout
- Grips tight with simple thumb turn and clamping handle Durable construction



Pack Contains: 1 x CB13 Grip Tight MCB Lockout [Sideways Fitting]lockout hasp.

Code	Ref No.	Description
0920-9119	CB13	Grip Tight MCB Lockout - Sideways Fitting

# Grip Tight MCB Lockout [Over Toggle Fitting]

- Grips tight with simple thumb
- turn and clamping handle
- Durable construction

Universal fit

**Pack Contains:** 

### Pack Contains: 1 x CB13 Grip Tight MCB Lockout [Over Toggle Fitting]

Code	Ref No.	Description
0920-9122	CB14	Grip Tight MCB Lockout - Over Toggle Fitting

## MCB 'Pin Out' Lockout

Push button operated and locates into the 2 holes either side of the breaker switch [see illustration] and rotary circuit breaker. Fits most popular breakers up to 60 Amp. Will also fit connected with a cross bar.



Code	Ref No.	Description
2483-8690	CB05	MCB Lockout Pin Out Fixing

# MCB 'Pin In' Lockout

Push button operated and locates into the 2 holes either side of the breaker switch [see illustration]. Fits most popular breakers up to 60 Amp. Will also fit breakers connected with a cross bar.

Pack Contains: 1 x CB06 MCB Lockout push button operated, pin in fixing

Ref No. Description Code 2483-8693 CB06 MCB Lockout Pin In Fixing

# MCB 'Toggle Lock'

Possibly the simplest yet most versatile MCB lockout in our range.

The CB12 'Toggle Lock' simply fits over the MCB toggle and then the internal grub screw is tightened using a small flat screwdriver which secures the CB12 onto the toggle.

Once tight and secure, insert a padlock, or hasp which blocks access to the grub screw so the device cannot be removed or toggle operated until the lock is removed.

Pack Contains: 5 x CB12 MCB toggle lockout







2483-8696 CB12 Description MCB Toggle Lockout [Pack of 5]

## **'No Tool' Circuit Breaker Lockout**

To install, simply put the circuit breaker handle to the 'off' position, place the lockout over the handle, tighten the set screw by hand, rotate the toggle and apply a tag and padlock.

Pack Contains: 1 x CB16 'No Tool' Circuit Breaker Lockout



Code	Ref No.	Description
2193-6028	CB16	'No Tool' Circuit Breaker Lockout

## **Universal MCB Lockout**

Suitable for many types of miniature circuit breakers. Locks out 1 pole through to 4 pole circuit breakers with a maximum clamping of 8mm and an 8mm padlock hole. The UCL1 is made from durable plastic.

Pack Contains: 1 x UCL1 Universal circuit breaker lockout



-0	SMEET LOX
on	

Code	Ref No.	Description
2483-8738	UCL1	Universal Circuit Breaker Lockout







# WHAT WE DO!



- Engraving
- **Bespoke Lockout Stations**
- Key Tags
- Bespoke Tags

# **UK LEGISLATION COVERING LOCKOUT / TAGOUT**

### The Electricity at Work regulations 1989 [EAW Regulations]

Apply to almost all places of work.

HSG85 is a generic Guidance Document covering safe working practices for work on electrical equipment and is produced to support the Regulations.

#### **Regulation 12**

"Isolation" means the disconnection and separation of the electrical equipment from every source of electrical energy in such a way that this disconnection and separation is secure.

### **Regulation 13**

Adequate provisions shall be taken to prevent electrical equipment, which has been made dead in order to prevent danger while work is being carried out on or near that equipment, from being electrically charged during that work if danger may thereby arise.

### Provision and Use of Work Equipment Regulations [PUWER] 1998 **Regulation 19**

Every employer shall ensure, that where appropriate, work equipment is provided with suitable means to isolate it from all its sources of energy. Every employer

shall take appropriate measures to ensure that reconnection of any energy source to work equipment does not expose any person using the equipment to any risk to his health or safety.

### BS 7671:2018 Requirements for Electrical Installations IET Wiring Regulations 18th Edition

462.3 Devices for isolation shall be designed and/or installed so as to prevent unintentional or inadvertent closure. Achieved by:

- Located within a lockable space or lockable enclosure
- Padlocking

537.2.4 Devices for isolation shall be selected and/or installed so as to prevent unwanted or unintentional closure [see Regulation 462.3]. This may be achieved by locating the device in a lockable space or lockable enclosure or by padlocking or by other suitable means.

**537.2.5** Provision shall be made for securing off-load isolating devices against unwanted or unintentional opening. This may be achieved, for example, by locating the device in a lockable space or lockable enclosure or by padlocking. Alternatively, the off-load device may be interlocked with a load-breaking one.



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