General Description

Emergency Stop stations are designed and installed primarily to provide machine operators with a means of shutting down in the event of a dangerous occurrence taking place.

Electrical machines often require Emergency Stops, which are required to meet specific requirements and International standards are applied to the design, testing and installation of such devices. (IEC/EN60204, BS EN ISO 13850, IEC 60947-5-1, IEC 60947-5-5).

The following pages contain the following options:-

- Enclosure formats - PA / PC Plastic, Glass Filled Polyester, Die-cast Aluminium, Stainless Steel, Sheet Steel & Flush Mounting.
- 'Reset' Methods - Twist-to-Reset, Pull-to-Reset & Key Reset
- Protection Devices - Raised Shroud & Flap Cover

Emergency Stop

Catalogue No. EMSH/K/MG/CO HD

- Actuator: Mushroom, key reset. (Supplied with 2 x DC800 keys, differs available)
- Legend: Circular yellow.
- Contacts: 1N/C+1N/O (MT-16A)
- Dims.: 'D5'
- Material: Die-Cast Aluminium



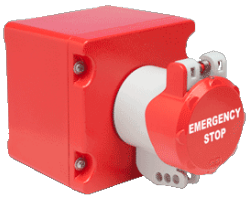
Catalogue No. EMSH/P/MR/CO HD

- Actuator: Mushroom, pull-to-reset.
- Legend: Circular yellow.
- Finish: Red
- Contacts: 1N/C+1N/O (MT-16A)
- Dims.: 'D5'
- Material: Die-Cast Aluminium



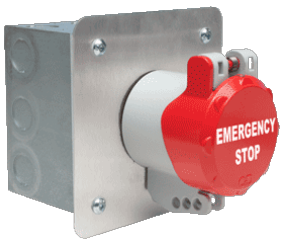
Catalogue No. EMSH/P/F1/MR/CO HD

- Actuator: Mushroom, pull-to-reset.
- Guard: Padlocking flap cover
- Finish: Red
- Legend: Printed flap cover
- Contacts: 1N/O+1N/C (MT-16A)
- Dims.: 'D5'
- Material: Die-Cast Aluminium



Catalogue No. EMSH/P/F1/F/CO HD

- Actuator: Mushroom, pull-to-reset.
- Guard: Padlocking flap cover
- Legend: Pad printed flap cover
- Contacts: 1N/O+1N/C (MT-16A)
- Dims.: 'D11'
- Material: Stainless Steel



Catalogue No. EMSH/K/F/CO HD

- Actuator: Mushroom, key reset. (Supplied with 2 x DC800 keys, differs available)
- Legend: Circular yellow.
- Contacts: 1N/C+1N/O (MT-16A)
- Dims.: 'D11'
- Material: Stainless Steel



Catalogue No. EMSH/T/F/CO HD

- Actuator: Mushroom, twist-to-reset.
- Legend: Yellow circular.
- Lid fixings: Security style
- Contacts: 1N/C+1N/O (MT-16A)
- Dims.: 'D11'
- Material: Stainless Steel



Catalogue No. EMS/T/SS/NC69 ND

- Actuator: Emergency Stop twist-to-reset.
- Legend: Yellow circular.
- Sealing: IP69K.
- Finish: Brushed
- Lid fixings: Security style.
- Contacts: 1N/C+safety contact (MTOSFE)
- Dims.: 'D10'
- Material: Stainless Steel



Sealed to withstand the forces associated with pressure washers. Tested to withstand a hose delivering water at a pressure between 80-100 bar at a temperature of 80°C.

The combination of a stainless steel enclosure and sealing to IP69K make these items ideally suited to environments where strict hygiene cleaning routines are enforced.

Supplied with external fixing feet for vertical or horizontal mounting.

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Stop/Start

General Description

'Start/Stop' control stations are the most convenient way of providing simple local control for a variety of applications. When inserted into a control scheme they provide the local interface with which machinery can be easily be controlled.

The assembled stations are offered in various enclosure materials which are designed to match applications in terms of mechanical protection.

Catalogue No.	SSTH/GS/P/F3/MG/CO	HD

- Actuator — a/ Full guard, momentary.
  b/ Mushroom, pull-to-reset
- Guard — Flap cover non-locking
- Legend — a/ 'Start'
  b/ Printed flap cover
- Contacts — 'Start' - 1N/O (MT-16A)
  'Stop' - 1N/C (MT-16A)
- Dims. — 'D7'
- Material — Die-Cast Aluminium



EPO - Emergency Stop/Start

General Description

'Emergency Stops' are often situated adjacent to the associated 'Start' button. In these assemblies the two functions are combined in a single enclosure.

All of the stayput 'Emergency Stop' buttons meet the latest safety requirements.

The flap cover option operates the stayput actuator when the cover is pressed. Padlocks can be inserted to prevent an unauthorised reset. Enclosures in polycarbonate and die-cast aluminium provide a choice dependent upon the environment.

Catalogue No.	SSTH/GS/P/F1/MG/CO	HD

- Actuator — a/ Start, momentary
  b/ Emergency Stop, pull-to-reset.
- Guard — Padlocking flap cover
- Legend — a/ 'Start'
  b/ Printed flap cover
- Contacts — 1N/O+1N/C (MT-16A)
- Dims. — 'D7'
- Material — Die-Cast Aluminium



Stop

General Description

Individual 'Stop' stations have been designed for use in many applications.

The range includes alternatives for both surface and flush mounting with options of flap covers which add an extra degree of security against inadvertent operation.

Catalogue No.	STOH/P/F3/MG/CO	HD

- Actuator — Mushroom, pull-to-reset
- Guard — Flap cover non locking
- Legend — Printed flap cover
- Contacts — 1N/C+1N/O (MT-16A)
- Dims. — 'D5'
- Material — Die-Cast Aluminium



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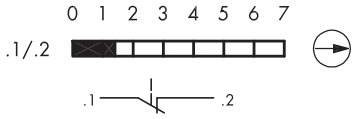
Contact blocks are available to replace or extend the arrangements supplied as standard.

'MT' Series

The 'MT' series are designed as 'clip-in' modules which can be supplied in N/O, N/C & safety formats. The clip-in housing allows for a total of three blocks per actuator.

Catalogue No. **MTO**

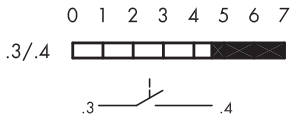




Normally Closed (N/C) contact block. Momentary action.

Catalogue No. **MTI**

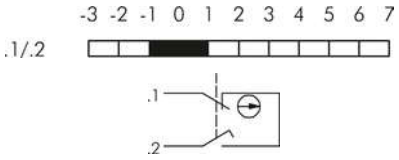




Normally Open (N/O) contact block. Momentary action.

Catalogue No. **MTOSFE**





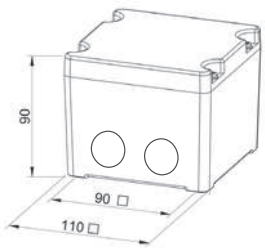
'Safety Contact' for Emergency Stops.

Electrical Ratings - BS EN 60947-5-1

	a.c	d.c
Utilisation Category	AC15 A600	DC13 Q600
Rated Insulation Voltage (Ui)	600V	600V
Rated Operational Voltage (Ue)	250V / 440V	440V / 250V / 125V / 60V / 24V
Rated Operational Current (Ie)	3A / 1.6A	0.12A / 0.2A / 0.4A / 1A / 2A
Breaking Capacity	$10I_e$	$1.1I_e$
Continuous thermal current (Ith)	16A	16A

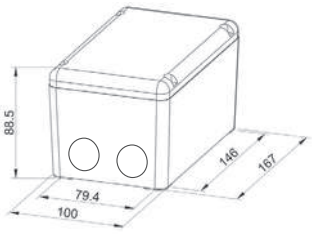
Dimensions

D5



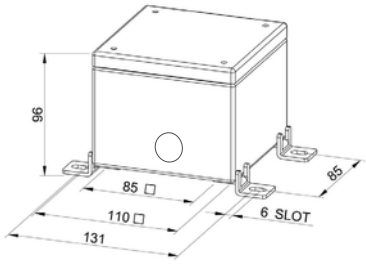
Material: Die-cast Aluminium
Colour: Grey (RAL 7035)
Red (RAL 3020)
Entries: 2xM20
Fixings: 4xM5

D7



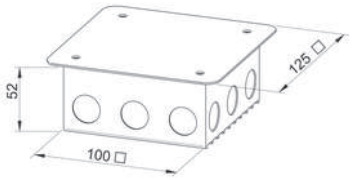
Material: Die-cast Aluminium
Colour: Grey (RAL 7035)
Entries: 2xM20
Fixings: 4xM5

D10



Material: Stainless steel (Grade 304)
Finish: Brushed
Entries: 1xM20
Fixings: 4xM6

D11



Material: Fascia plate - Stainless Steel
Back box - Galvanised steel
Finish: Fascia plate - Brushed
Entries: 9xM20 knockouts
Fixings: 4xM5

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