

General Description



'Emergency Power Off' or 'EPO' control stations can be used where the safety requirements associated with Emergency Stops are not required.

Typical uses would include:-

- Computer suites
- School workshops
- Water treatment plants
- Service and maintenance

All items are housed in robust die-cast aluminium enclosures fitted with flap covers to prevent accidental operation.

i Die-cast Aluminium IP65

Catalogue No. EPOH/M/F5/MG/CO HD

- Actuator Mushroom, momentary action.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 1N/C+1N/O (MT-16A)
- Dims. 'D5'



Catalogue No. EPOH/M/F5/MG/2CO HD

- Actuator Mushroom, momentary action.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 2N/C+2N/O (MT-16A)
- Dims. 'D5'



Catalogue No. EPOH/M/F5/MGL/3CO HD

- Actuator Mushroom, momentary action.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 3C/O (S1-10A)
- Dims. 'D6'



Catalogue No. EPOH/M/F5/MGL/4CO HD

- Actuator Mushroom, momentary action.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 4C/O (S1-10A)
- Dims. 'D6'



Catalogue No. EPOH/P/F5/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'



Catalogue No. EPOH/P/F5/MG/2CO HD

- Actuator Mushroom, pull-to-reset.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 2N/C+2N/O (MT-16A)
- Dims. 'D5'



Catalogue No. EPOH/P/F5/MGL/3CO HD

- Actuator Mushroom, pull-to-reset.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 3C/O (S1-10A)
- Dims. 'D6'



Catalogue No. EPOH/P/F5/MGL/4CO HD

- Actuator Mushroom, pull-to-reset.
- Guard Flap cover non-locking
- Legend Printed flap cover
- Contacts 4C/O (S1-10A)
- Dims. 'D6'



Die-cast Aluminium Contd. IP65

Catalogue No.	EPOH/K/F5/MG/CO	HD	Catalogue No.	EPOH/K/F5/MG/2CO	HD
- Actuator: Mushroom, key reset. (Supplied with 2 x DC800 keys, differs available) - Guard: Flap cover non-locking - Legend: Printed flap cover - Contacts: 1N/C+1N/O (MT-16A) - Dims.: 'D5'			- Actuator: Mushroom, key reset. (Supplied with 2 x DC800 keys, differs available) - Guard: Flap cover non-locking - Legend: Printed flap cover - Contacts: 2N/C+2N/O (MT-16A) - Dims.: 'D5'		
Catalogue No.	EPOH/K/F5/MGL/3CO	HD	Catalogue No.	EPOH/K/F5/MGL/4CO	HD
- Actuator: Mushroom, key reset. (Supplied with 2 x DC800 keys, differs available) - Guard: Flap cover non-locking - Legend: Printed flap cover - Contacts: 3C/O (S1-10A) - Dims.: 'D6'			- Actuator: Mushroom, key reset. (Supplied with 2 x DC800 keys, differs available) - Guard: Flap cover non-locking - Legend: Printed flap cover - Contacts: 4C/O (S1-10A) - Dims.: 'D6'		

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.

Die-cast Aluminium IP65

Catalogue No.	ESS/GS/T/MG/NO	ND	Catalogue No.	ESSH/GS/P/MG/CO	HD
- Actuator: a/ Start, momentary b/ Emergency Stop, twist-to-reset. - Legend: a/ 'I' Start b/ Printed collar - Contacts: 1N/O+1N/C (MT-16A) - Dims.: 'D7'			- Actuator: a/ Start, momentary b/ Emergency Stop, pull-to-reset. - Legend: a/ 'Start' b/ Circular yellow - Contacts: 1N/O+1N/C (MT-16A) - Dims.: 'D7'		

Moulded IP65

Catalogue No.	SSTH/GS/P/F1/MG/CO	HD	Catalogue No.	ESS/GS/T/P/NO	ND
- 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'			- Actuator: a/ Start, momentary b/ Emergency Stop, twist-to-reset. - Legend: a/ 'I' Start b/ Printed collar - Contacts: 1N/O+1N/C (MT-16A) - Dims.: 'D3'		



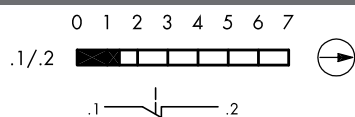
Accessories

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

'MT' Series

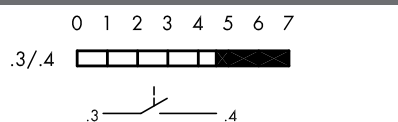
The 'MT' series are designed as 'clip-in' modules which can be supplied in N/O, N/C & safety formats. The clip-in housing allows for a total of three blocks per actuator.

Catalogue No. MTO



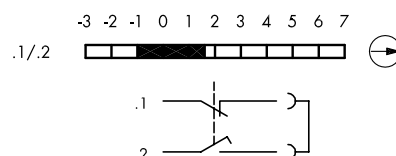
Normally Closed (N/C) contact block. Momentary action.

Catalogue No. MTI



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

Catalogue No. MTOSF



'Safety Contact' for Emergency Stops. As MTO block but with an added contact which detects if the block becomes loose from its housing.

Occupies the space of two blocks.

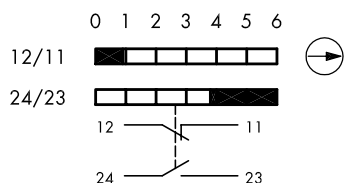
Electrical Ratings - BS EN 60947-5-1

	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

'ET' Series

The 'ETR' block provides N/O + N/C contacts in one assembly.

Catalogue No. ETR



Contact Block, Momentary Action
1 N/O + 1 N/C

Electrical Ratings - BS EN 60947-5-1

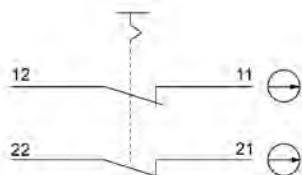
	a.c.	d.c.
Utilisation Category	AC15	DC13
Rated Insulation Voltage (Ui)	400V	400V
Rated Operational Voltage (Ue)	400V / 250V	400V / 250V / 125V / 60V / 24V
Rated Operational Current (Ie)	3A / 5A	0.12A / 0.2A / 0.4A / 1A / 2A
Breaking Capacity	10I _e	1.1I _e
Continuous thermal current (Ith)	10A	10A

Accessories Contd.

'Monobloc'

The Monobloc assembly is designed for use in very restricted space. The contacts are assembled in the base of the actuator and cannot be supplied separately. To replace the contacts will require a new complete actuator.

Catalogue No. **FVRKOO**



Contact Block, Momentary Action 2 N/C

Electrical Ratings - BS EN 60947-5-1

	a.c.
Utilisation Category	AC15 B300
Rated Insulation Voltage (Ui)	250V
Rated Operational Voltage (Ue)	240V / 120V
Rated Operational Current (Ie)	1.5A / 3A
Breaking Capacity	10Ie
Continuous thermal current (Ith)	5A

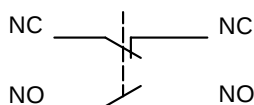
'S1' Series

The S1 contact block is designed to be stacked in pairs side-by-side and then back-to-back making a total on four changeover blocks on one Heavy Duty actuator. Three or four blocks will require extended fixing screws (U42)

Catalogue No. **S1**



Image shows
2 off S1 blocks



Contact Block, Momentary Action C/O

Electrical Ratings - BS EN 60947-5-1

	a.c.
Utilisation Category	AC15
Rated Insulation Voltage (Ui)	660V
Rated Operational Voltage (Ue)	400V
Rated Operational Current (Ie)	5A
Continuous thermal current (Ith)	10A

Catalogue No. **U42**

Assembly screw kit to enable 3 or 4 'S1' contacts to be mounted on a single Heavy Duty actuator.

Mechanical Endurance:-

All **HD** assemblies with the exception of Emergency Stops

HD Emergency Stop (Twist-to-reset & pull-to-reset)

All **ND** assemblies

1x10⁶ operations

0.25x10⁶ operations

1x10⁶ operations

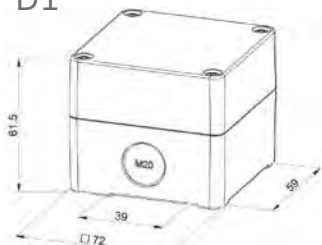
"Over 60 years experience in design and manufacture"



Dimensions

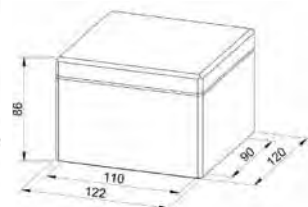
Dimensions as shown are for the enclosures only used in the various assemblies.
Projections will vary depending upon the actuators incorporated in the design - see foot of page.

D1



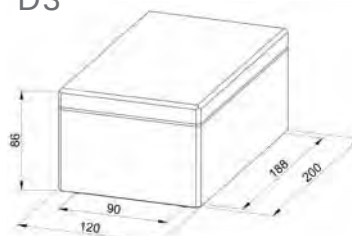
Material: Polycarbonate
Colour: Yellow/Black
Entries: 2xM20
Fixings: 2xM4

D2



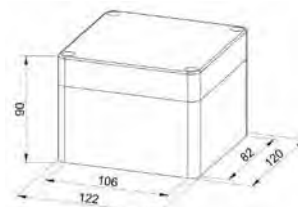
Material: Polycarbonate
Colour: Grey (RAL 7035)
Entries: Plain sides
Fixings: 4xM4

D3



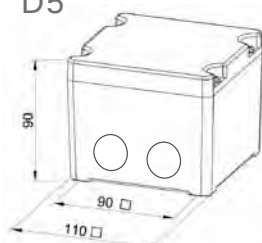
Material: Polycarbonate
Colour: Grey (RAL 7035)
Entries: Plain sides
Fixings: 4xM4

D4



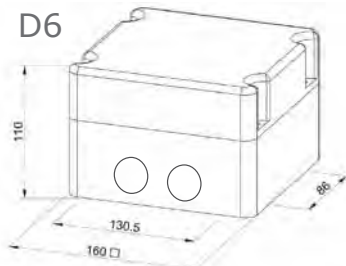
Material: Glass reinforced Polyester
Colour: Grey (RAL 7000)
Entries: Plain sides
Fixings: 4xM5

D5



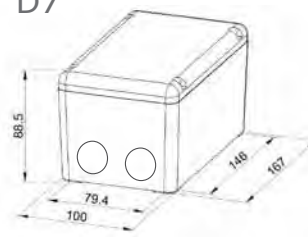
Material: Die-cast Aluminium
Colour: Grey (RAL 7035)
Red (RAL 3020)
Entries: 2xM20
Fixings: 4xM5

D6



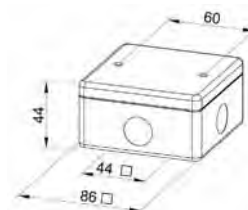
Material: Die-cast Aluminium
Colour: Grey (RAL 7035)
Entries: 2xM20
Fixings: 4xM5

D7



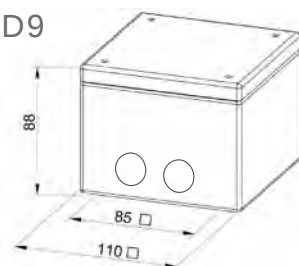
Material: Die-cast Aluminium
Colour: Grey (RAL 7035)
Entries: 2xM20
Fixings: 4xM5

D8



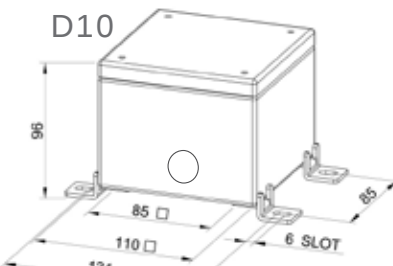
Material: Steel
Colour: Silver
Entries: 5xM20 knockouts
Fixings: 4 off 5x10 slots

D9



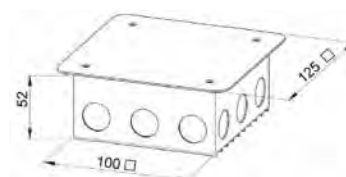
Material: Stainless steel (Grade 304)
Finish: Brushed
Entries: 2xM20
Fixings: 4xM6

D10



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

D11



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

Actuator Projections

Normal Duty Actuators (ND)	Emergency Stop (incl. guards)	42mm
	Start/Stop	11mm
Heavy Duty Actuators (HD)	Mushroom (Twist or pull to reset)	43mm
	Mushroom (Key reset)	51mm
	Full guard (Start/Stop)	30mm
	Flap Cover	66mm