

Technical Data Sheet

Explosion Proof Control Station Range



CDPD198
Issue 3

Explosion Proof Control Stations

In the UK from July 2006 the onus was placed upon companies to ensure that all equipment within their organisations is suitable for the environment in which it is being used. This was aimed primarily at areas where there may be a possibility of a combustible atmosphere being present, even for short periods e.g. less than 10 hours/year.

People normally associate such atmospheres as being gases, mists or vapours. However there are many industries where a non-conductive dust mixed with air in the right proportion can become potentially explosive. It is these areas where the Craig & Derricott ATEX Group II (Zone 22 equipment) can be used to help you comply with Health & Safety regulations. All listed items shown here have been certified to the appropriate international standards for explosive atmospheres.

Certification data:

Ex II 3D, EX tD A22 IP65 T85°C

Complies in part or full with:


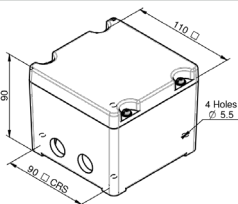
BS EN 50014, BS EN 50281-1-1, BS EN 60529, BS EN 60947-3, BS EN 60204-1

Image	Cat. No.	Description		Dimensions
	SSTH/GS/RS/MG/COZ	Actuator Legend Contacts Enclosure Material IP Rating EX Entries Fixings	Full guard, Momentary start / stop HD Start & Stop Start - 1N/O (MT-16A) Stop - 1N/C (MT-16A) Die-Cast Aluminium IP65 Zone 22 1 x M20 4 x M5	
	EMSH/T/MG/COZ	Actuator Legend Contacts Enclosure Material IP Rating EX Entries Fixings	Mushroom, Twist-To-Reset HD Emergency Stop circular Yellow 1N/C+1N/O (MT-16A) Die-Cast Aluminium IP65 Zone 22 2 x M20 4 x M5	
	ESSH/GS/P/MG/COZ	Actuator Legend Contacts Enclosure Material IP Rating EX Entries Fixings	a/ Start, Momentary HD b/ Emergency stop, Pull-To-Reset a/ Start b/ Circular Yellow Start - 1N/O (MT-16A) Emergency Stop - 1N/C (MT-16A) Die-Cast Aluminium IP65 Zone 22 1 x M20 4 x M5	
	EMSH/P/MG/COZ	Actuator Legend Contacts Enclosure Material IP Rating EX Entries Fixings	Mushroom, Pull-To-Reset HD Emergency Stop circular Yellow 1N/C+1N/O (MT-16A) Die-Cast Aluminium IP65 Zone 22 2 x M20 4 x M5	
	EMSH/P/F1/MG/COZ	Actuator Legend Guard Contacts Enclosure Material IP Rating EX Entries Fixings	Emergency stop, Pull-To-Reset HD Emergency Stop Printed Flap Cover Padlocking Flap Cover 1N/C+1N/O (MT-16A) Die-Cast Aluminium IP65 Zone 22 2 x M20 4 x M5	

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Image	Cat. No.	Description	Dimensions
	EMSH/K/MG/COZ	Actuator Legend Contacts Enclosure Material IP Rating EX Entries Fixings	Mushroom, Key Reset (2 Keys) Emergency Stop Circular Yellow 1N/C+1N/O (MT-16A) Die-Cast Aluminium IP65 Zone 22 2 x M20 4 x M5
		HD	

Technical Specification

Electrical Ratings- BS EN 60947-5-1

MT Series		
Application		
Storage Temperature		-50°C up to +85°C
Operating Temperature	-30°C up to +85°C	For non-illuminated items
	-30°C up to +55°C	Using incandescent lamps
	-30°C up to +65°C	Using LED's
Operating Travel		6mm
Connections		Screw connections for 2 x 2.5mm², IP2X.
Lamp Type/Socket		Incandescent lamps, LED's / BA9s
Contact Material		Silver-nickel alloy (Ag/Ni). Gold Plated Version available upon request.
Mechanical Life		1 million operations
Electrical Life		1 million cycles at rated load
Min. Current / Voltage		1 mA / 5V (Under laboratory conditions)
Contact Resistance (New State)		< 20mΩ
Bounce Time		< 10 mS
Positive Opening N/C Contact		To EN 60947-5-1 appendix K
Continuous thermal current (I _{th})		16A
Rated Insulation Voltage (U _i)		600V
Utilisation Category	A.C.	AC15 A600
	D.C.	DC13 Q600
Rated Operational Voltage (U _e)	A.C.	250V/440V
	D.C.	440V / 250V /125V / 60V / 24V
Rated Operational Current (I _e)	A.C.	3A/1.6A
	D.C.	0.12A / 0.2A / 0.4A / 1A / 2A
Breaking Capacity (I _e)	A.C.	10
	D.C.	1.1
Lamp Socket		BA9s
Lamp Voltage		Max. 250V (CSA max. 125V)
Lamp Output		Max. 2W
Definition		X1.. anode, X2.. cathode.