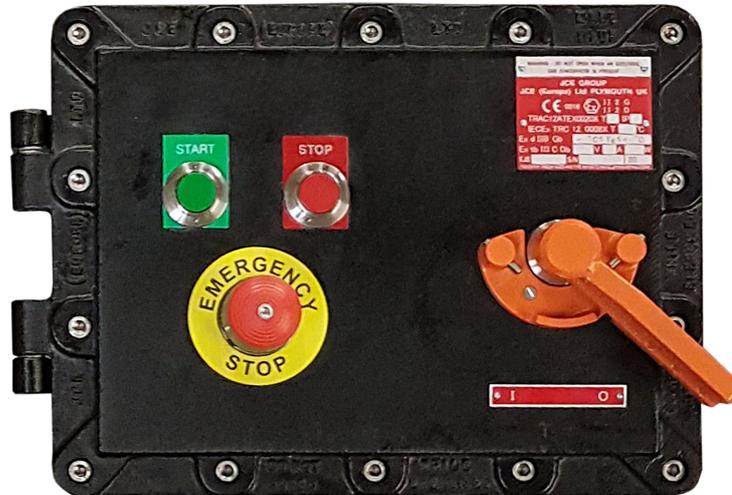




# DOL Motor Starter



The JCE range of MSA/B/C Flameproof (Ex d) DOL Motor Starters are intended for use in areas made potentially hazardous by the presence of flammable liquids, gases or vapours (Zones 1, 2, 21 and Zone 22). Certified for Group IIB locations.

Designed for manual starting of motors from less than 0.37kW to 110kW and are available with or without a padlockable isolator.

The operating handle can be locked in the 'On' or 'Off' positions (padlock not included). Starters incorporate overload protection and fused control circuits.

## Materials and Finish

**Body and Cover** - Aluminium alloy EN AC-42000 (LM25) to BS EN 1706:1998 with less than 0.2% copper content.

**Cover Bolts** - Stainless steel (304)

**Finish** - Chromate primed and polyester powder coated textured black as standard. Other finishes available.

**Earthing** - All enclosures are supplied with a 6mm stainless steel (304) internal and external earth stud as standard. Larger internal earths can be fitted.

## Ratings and Approvals

**Categories** -  II 2 G  
II 2 D

**Codes** - Ex d IIB+H2 T5 / T6 Gb  
Ex tb IIIC T100°C T85°C Db

**Protection Grade** - IP66

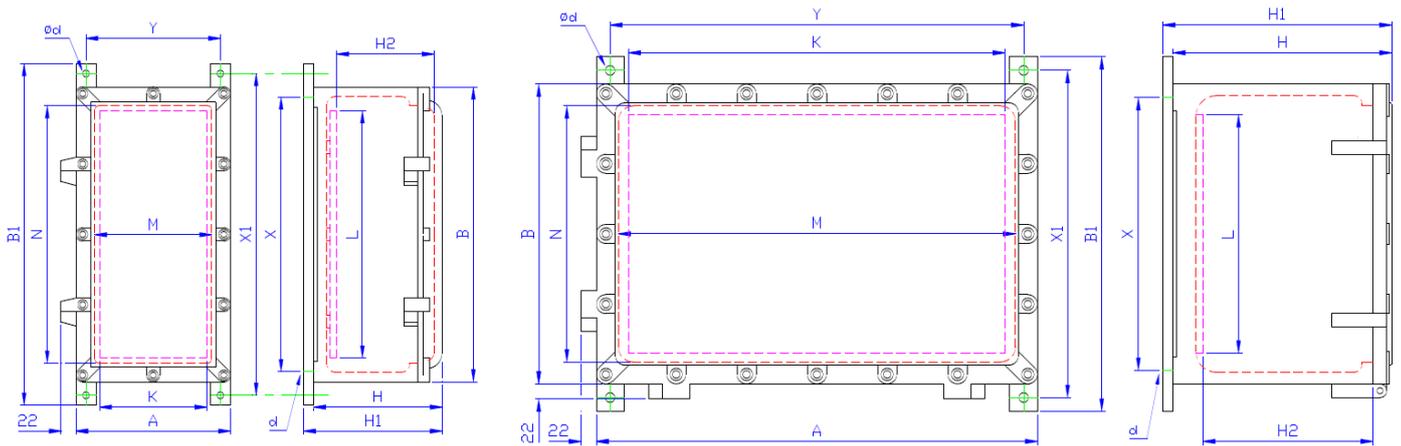
**Certificate Nos** - TRAC12ATEX0020X  
IECEX TRC 12.0008X

**Temperature** - -40°C to +60°C  
-20°C to +60°C

## Certification:



## Dimensions



ENCLOSURE	OVERALL DIMENSIONS						MOUNTING DETAILS					MOUNTING PLATE		ENCL. OPENING		WT KG
	Cat. No	A	B	B1	H	H1	H2	X	X1	Y	d	Ød	K	L	M	
EJB15	222	141	-	160	-	127	119	-	200	6	-	90	175	80	100	5
EJBS1	180	260	340	193	208	120	230	300	150	M8	10	120	200	125	205	9
EJBS2	230	440	520	191	206	125	410	480	200	M8	10	165	375	173	385	16
EJB4RA	430	330	410	217	232	150	290	370	390	M12	14	345	255	360	260	30
EJB5A	640	440	520	317	332	225	400	480	600	M12	14	565	350	576	376	68

## Ordering Information

Direct on Line motor starters up to 110kW, 415V 50Hz 3 phase or 440V 60Hz 3 phase, all with local start/stop-reset push buttons. Padlockable isolator available for up to 75kW motors - specify when ordering. Isolator for 110kW version supplied separately for site mounting.

Overloads cover the range of 0.1A to 220A all with single phase protection. Specify rating required when ordering.

Power Rating	Without Isolator	Enclosure	With Isolator	Enclosure
Up to 4.0kW 5.5kW	MSC01 MSC02	EJB15 EJB15		
Up to 7.5kW 9.0kW 11.0kW 15.0kW 18.5kW 22.0kW 30.0kW 37.0kW 45.0kW 55.0kW 75.0kW 110.0kW	MSA01 MSA02 MSA03 MSB04 MSB05 MSB06 MSB07 MSB08 MSB09 MSB10 MSB11 MSB12	EJBS1 EJBS1 EJBS1 EJBS1 EJBS2 EJBS2 EJBS2 EJBS2 EJB4RA EJB4RA EJB5A EJB5A EJB5A	MSBS01 MSBS02 MSBS03 MSBS04 MSBS05 MSBS06 MSBS07 MSBS08 MSBS09 MSBS10 MSBS11 MSBS12*	EJBS2 EJBS2 EJBS2 EJBS2 EJBS2 EJBS2 EJB4RA EJB4RA EJB5A EJB5A EJB5A

\*Isolator supplied separately for site mounting in an EJB5RA enclosure



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- Details of certification and conformity can be provided on request.
- All products sold subject to our terms and conditions of business.
- Health and Safety at Work Act 1974. In the UK all equipment must be installed and disposed of (as required) within the legislative requirements of the Health & Safety at Work Act 1974.
- We reserve the right to make alterations to the technical data dimensions, weights, designs and product available without notice.
- The illustrations should not be considered legally binding.