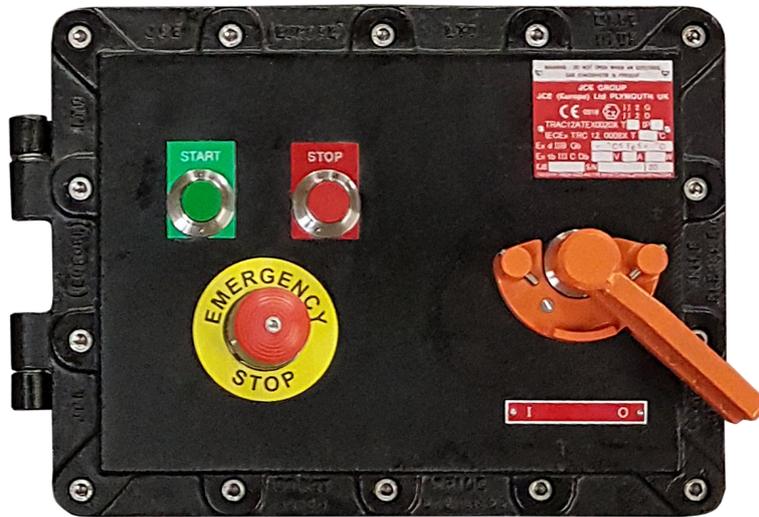




# Star / Delta Motor Starter



The JCE range of MSSD/S Flameproof (Ex d) Star/Delta 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 7.5kW to 75kW 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.

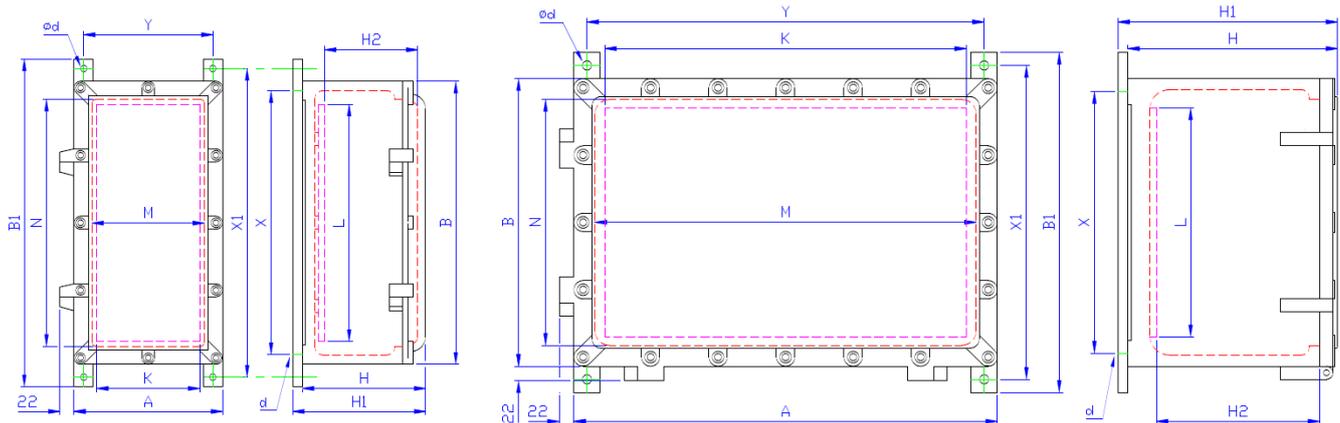
## Ratings and Approvals

- 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 -** -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   |       |
| EJB3RA    | 350                | 270 | 350 | 217 | 232 | 150 | 240              | 310 | 320 | M12 | 14 | 280            | 200 | 290           | 210 | 17    |
| EJB4RA    | 430                | 330 | 410 | 217 | 232 | 150 | 290              | 370 | 390 | M12 | 14 | 345            | 255 | 360           | 260 | 30    |
| EJB5A     | 640                | 440 | 520 | 317 | 332 | 215 | 400              | 480 | 600 | M12 | 14 | 565            | 350 | 576           | 376 | 64    |

## Ordering Information

Star/Delta motor starters up to 75kW, 415V 50Hz 3 phase or 440V 60Hz 3 phase, all with local start/stop-reset push buttons. Padlockable isolator available - specify when ordering.

Overloads cover the range of 0.1A to 80A all with single phase protection. Specify rating required when ordering. Variations on our standard range can include:- remote control, control transformers, running/tripped lamps as well as voltage and frequency, all available on request.

| Power Rating | Without Isolator | Enclosure | With Isolator | Enclosure |
|--------------|------------------|-----------|---------------|-----------|
| Up to 7.5KW  | MSSD01           | EJB3RA    | MSSDS01       | EJB4RA    |
| 11.0KW       | MSSD02           | EJB3RA    | MSSDS02       | EJB4RA    |
| 15.0KW       | MSSD03           | EJB3RA    | MSSDS03       | EJB4RA    |
| 18.5KW       | MSSD04           | EJB3RA    | MSSDS04       | EJB4RA    |
| 22.0KW       | MSSD05           | EJB3RA    | MSSDS05       | EJB4RA    |
| 30.0KW       | MSSD06           | EJB4RA    | MSSDS06       | EJB4RA    |
| 37.0KW       | MSSD07           | EJB5A     | MSSDS07       | EJB5A     |
| 55.0KW       | MSSD08           | EJB5A     | MSSDS08       | EJB5A     |
| 75.0KW       | MSSD09           | EJB5A     | MSSDS09       | EJB5A     |



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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.