



## Power Switching - Cast Aluminium or Cast Iron Enclosure

### DOL - Ex d 11-15kW DOL Starter

#### HAZARDOUS AREA SPECIFICATION

|                     |                                       |                              |                                  |
|---------------------|---------------------------------------|------------------------------|----------------------------------|
| Marking to 94/9/EC  | Ex II 2 GD                            |                              |                                  |
| Type of Protection  | Ex d IIB T* Gb<br>Ex tb IIIC T***C Db |                              |                                  |
| Ambient Temp. °C    |                                       | Gas Temperature Class (T*°C) | Dust Temperature Class (T**)(°C) |
| Min                 | Max                                   |                              |                                  |
| -20*                | +55                                   | T6                           | 80                               |
| Ingress Protection  | IP66 to EN60529:1992                  |                              |                                  |
| Area Classification | Zones 1,2,21,22                       |                              |                                  |
| Certification No.   | SIRA04ATEX1215                        |                              |                                  |

#### ENCLOSURE SPECIFICATION

|              |                                                                                                                                          |  |  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Material     | Cast Aluminium LM6<br>Cast Iron to 180BSI1452:1997<br>Cast Stainless Steel 316I (1.4404)                                                 |  |  |
| Finish       | Zinc rich epoxy powder primer and epoxy powder top coat black                                                                            |  |  |
| Weight Empty | Cast Aluminium 19Kgs, Cast Iron 50Kgs, cast Stainless 52Kgs                                                                              |  |  |
| Cover        | Hinged with M8 allen head Stainless Steel fixing screws                                                                                  |  |  |
| Gasket       | Silicone cord                                                                                                                            |  |  |
| Earthing     | Base - internal and external Ex e brass clamp<br>Cover - internal Ex e brass clamps                                                      |  |  |
| Entries      | Ex d threaded holes through base. All entries are fitted with Ex d stopping plugs or cable glands as standard unless otherwise specified |  |  |

#### ELECTRICAL SPECIFICATION

| Contactor Ratings |            |       | Conductor Size | Coil Voltages |      | Overloads |
|-------------------|------------|-------|----------------|---------------|------|-----------|
| kW                | Amps (AC3) | Volts | mm² Max*       | 50Hz          | 60Hz | Amps      |
| 11                | 21         | 415   | 2.5            | 110           | 110  | 14-23     |
| 15                | 30         | 415   | 6              | 120           | 220  | 17-26     |
|                   |            |       |                | 380           | 460  | 20-33     |
|                   |            |       |                | 415           |      |           |
|                   |            |       |                | 440           |      |           |
|                   |            |       |                | 480           |      |           |

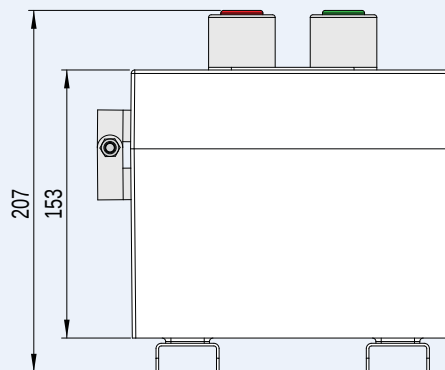
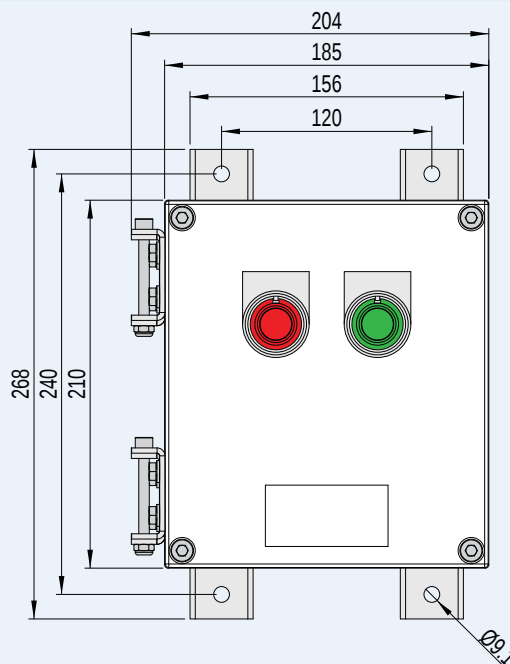
\* For flexible cable. For solid cable multiply by 1.6

Contactor: 3 phase, 50/60 Hz contactors to IEC947-4 with push button operators, fitted with thermal overload protection and coil voltages as specified below

#### ORDERING INFORMATION To order use the following sequence of letters and numbers

DOL 15 3 415 20/33  
TYPE RATING PHASES COIL VOLTAGE OVERLOAD CURRENT

Notes: For 32 mm entries add/32 to Product Code  
For Enclosures in cast aluminum add A to product code and I for Cast Iron Enclosures



All Dimensions in mm.