

# JUNCTION BOX 03

# EJB 251

FLAMEPROOF  
ZONE 1,2,21,22



## SPECIFICATION

|                                 |  |
|---------------------------------|--|
| TYPE                            | EJB 251  |
| HAZARDOUS AREA ZONE             | Zone 1 - Zone 2 (Gas)    Zone 21 - Zone 22 (Dust)                                    |
| MARKING                         | Ex II 2 G D    Ex db IIB+H2 T6, T5 or T4 Gb<br>Ex tb IIIC T85°C, T100°C or T135°C Db |
| STANDARDS                       | EN60079-0    EN60079-1    EN60079-31   |
| EU-TYPE EXAMINATION CERTIFICATE | Under Certification  |
| INGRESS PROTECTION              | IP66   |
| ENCLOSURE MATERIAL              | Aluminium Alloy  |
| ENCLOSURE FINISH (DOOR/BADY)    | RAL7032/RAL7043 (Other colors are available on request)                              |
| AMBIENT TEMPERATURE             | -30°C to +55°C<br>-20°C to +40°C   |
| LID FIXING                      | Flange Type By 38 x M12 socket Head Stainless Steel Screw                            |
| ENCLOSURE MOUNTING              | 4 Slotted Fixing Holes for M10 Screws  |
| EARTHING                        | M5 External / M8 Internal Earth Stud   |
| ENCLOSURE EXTERNAL DIMENTIONS   | 675*875*330  |
| ORDERING DETAILS                | Three-layer painting system for use in corrosive environment                         |

## TABLE 1-MAXIMUM PERMITTED DISSIPATION POWER

| TYPE OF ENCLOSURE | TAMB (-20°C TO +40°C) |        |       | TAMB (-30°C TO +55°C) |        |       | MAX. RATED CURRENT | MAX. RATED VOLTAGE |
|-------------------|-----------------------|--------|-------|-----------------------|--------|-------|--------------------|--------------------|
|                   | T4                    | T5     | T6    | T4                    | T5     | T6    |                    |                    |
|                   | T135°C                | T105°C | T85°C | T135°C                | T105°C | T85°C |                    |                    |
| EJB 251           | 793W                  | 400W   | 295W  | 693W                  | 295W   | 215W  | 850A               | 690V               |

## TABLE 2- MAXIMUM NUMBER OF ENTRIES PER SIDE OTHER THREAD FORMS/ COMBINATION AVAILABLE ON REQUEST

| TYPE    | SIDE       | M20/M16 | M25 | M32 | M40 | M50 | M63 | M75 |
|---------|------------|---------|-----|-----|-----|-----|-----|-----|
| EJB 251 | LEFT/RIGHT | 76      | 39  | 22  | 18  | 9   | 7   | 5   |
|         | TOP/BOTTOM | 52      | 27  | 14  | 14  | 5   | 5   | 3   |

## DIMENSIONS (MM)

|                   | LENGTH    | WIDTH | HEIGHT |
|-------------------|-----------|-------|--------|
| EXTERNAL DIM      | 875       | 675   | 330    |
| INTERNAL DIM      | 804       | 604   | 266    |
| FIXING BRACKETS : | 670 X 870 |       |        |

