

# JUNCTION BOX 03

## EJB 20

FLAMEPROOF  
ZONE 1,2,21,22



### SPECIFICATION

|                                     |                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------|
| TYPE                                | EJB 20                                                                            |
| HAZARDOUS AREA ZONE                 | Zone 1 - Zone 2 (Gas)    Zone 21 - Zone 22 (Dust)                                 |
| MARKING                             | Ex II 2 G D    Ex db IIC 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 NO. | TÜV 11 ATEX 7151X                                                                 |
| INGRESS PROTECTION                  | IP66,67                                                                           |
| ENCLOSURE MATERIAL                  | Aluminium Alloy                                                                   |
| ENCLOSURE FINISH                    | RAL7032 (Other colors are available on request)                                   |
| AMBIENT TEMPERATURE                 | -30°C to +55°C<br>-20°C to +40°C                                                  |
| LID FIXING                          | Threaded Type                                                                     |
| ENCLOSURE MOUNTING                  | 4 Slotted Fixing Holes for M8 Screws                                              |
| EARTHING                            | M5External / M8 Internal Earth Stud                                               |
| ENCLOSURE EXTERNAL DIMENSIONS       | 217*217*182                                                                       |
| 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 20            | 232W                  | 127W   | 81W   | 188W                  | 81W    | 46W   | 150A               | 690V               |

### TABLE 2- MAXIMUM NUMBER OF ENTRIES PER SIDE

#### OTHER THREAD FORMS/ COMBINATION AVAILABLE ON REQUEST

| TYPE   | M20/M16 | M25 | M32 | M40 | M50 | M63 | M75 |
|--------|---------|-----|-----|-----|-----|-----|-----|
| EJB 20 | 6       | 4   | 2   | 2   | 1   | 1   | 1   |

### DIMENSIONS (MM)

|                               | LENGTH | WIDTH | HEIGHT |
|-------------------------------|--------|-------|--------|
| EXTERNAL DIM                  | 217    | 217   | 182    |
| INTERNAL DIM                  | 177    | 177   | 130    |
| FIXING BRACKETS: 247 DIAGONAL |        |       |        |

