


## Distribution Boxes BS 63././160... and BS 63././161...

EC type examination certificate: IBExU 05 ATEX 1057 and 1. addition

Type of explosion protection:  I M2 Ex e I  
II 2G Ex e II T6/T5/T4  
II 2D T 80 °C IP 6X

Degree of enclosure protection: IP 66

Ambient temperature range: - 40 °C to + 40 °C

### Technical Specifications

#### Electrical Data

Rated voltage up to 10 000 V AC ± 10 %  
Rated output depending on components installed

#### Intended use

The distribution boxes type 63././160... and BS 63././161... serve for the connection of circuits of type of protection “increased safety” according to EN 60079-7 or of circuits of type of protection “increased safety” according to EN 60079-7 and “intrinsic safety” according to EN 60079-11. Distribution boxes with aluminium enclosures, intended for application in firedamp hazardous mines, are plastic powder coated.

#### Mounting

The appliances of type BS 63././16.... may be mounted in any position by screwing the lateral fish-plates onto a firm plain surface. Subsequent flanging of single units and the use of smaller wire diameters than stated in the design documents is possible upon consultation with the manufacturer. Installation of additional components may only be carried out by the manufacturer.

#### Starting operation

Before putting the appliance into operation it must be taken care that the terminals of the supply lines are screwed on tightly and the enclosure is closed tightly (check cover and attachments). When using plugs and sockets it has to be taken care that there can happen no confusion with other plugs and sockets of other intrinsically circuits (e.g. by marking).

All unused enclosure openings have to be closed with the plugs or flange plates provided.

The appliances are connected by means of the terminals that are installed within the enclosure for this purpose, in a manner that the conductor insulation reaches right up to the contact point.

The intended rated output must not be exceeded under any circumstances.

Special conditions, if applicable, have to be observed.

When installing electrical equipment within explosion hazardous areas the EN 60079-14 has to be regarded.

For repair work, only original components of the manufacturer are allowed.



# Operating Instructions

## **ATTENTION !!!**

**Distribution boxes with plastic powder coated aluminium enclosures, being intended for application in firedamp hazardous mines, have to be removed from the firedamp hazardous area in case the plastic coating is damaged. For use in firedamp hazardous areas, the plastic coating of these aluminium enclosures has to be unblemished.**

**Before starting operation store the distribution boxes in a dry place, protect against moisture!**