







Distribution Box

BS BS 63././17....

Technical Specifications

Voltage max.: 45 V DC / 32 V AC
Ambient temperature range: - 20 °C to + 40 °C

Type of Explosion Protection

	I M1	EEx ia I	IBExU 02 ATEX 1106	
	I M2	EEx ia/ib I	IBExU 02 ATEX 1106	
	II 1G	EEx ia IIC Tx	IBExU 02 ATEX 1106	temperature class
	II 2G	EEx ia/ib IIC Tx	IBExU 02 ATEX 1106	according to built-in components
	II 1D	T 80 °C IP 67	IBExU 02 ATEX 1106	only for passive components
	II 2D	T 80 °C IP 67	IBExU 02 ATEX 1106	and T6

Degree of Enclosure Protection EN 60 529: IP 67 or ≥ IP 54

Use

The distribution boxes BS 63././17.... serve for the connection of intrinsically safe circuits with connectors and insulation according to EN 50 020, paragraph 6.3, or EN 50 303 (M1), paragraph 4.8.

Mounting

The appliances of type BS 63././17.... may be mounted in any position by screwing the lateral fish-plates onto a firm plain surface.

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

Connection and Wiring

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).

The insulation of the cables and leads used for wiring has to withstand an alternating current test voltage of at least 500 V (r.m.s. voltage).



Operating Instructions

Special Conditions

The cable entries have to comply with the certified degree of the type identification plate \geq IP 54 for M1, M2 and 1G, 2G.

For category M1 only cables corresponding with the Ex i circuits according to EN 50 303, paragraph 4.8, may be used. Only intrinsically safe circuits of category 'ia' are permitted. The insulation thickness for different Ex i circuits is \geq 0.2 mm (polyethylene). Dielectric strength tests with 1000 V / 2000 V have to be fulfilled.

For applications of category 2 dielectric strength tests with 500 V have to be fulfilled.

ATTENTION!!!

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