

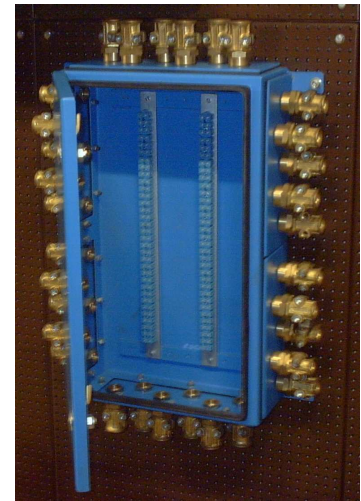
Distribution Boxes BS 63*/*/17****

(Intrinsically Safe)

Type of Explosion Protection:

 II 1G EEx ia IIC T6
  II 2G EEx ia/ib IIC T6
 II 1D T 80°C IP 67
  II 2D T 80°C IP 67

EC-Type Examination Certificate: IBEU 02 ATEX 1106



Use

The distribution boxes of type BS 63*/*/17****, together with cable entries and terminals, serve for the connection of conductors of cables and leads of circuits with type of explosion protection “intrinsically safe”.

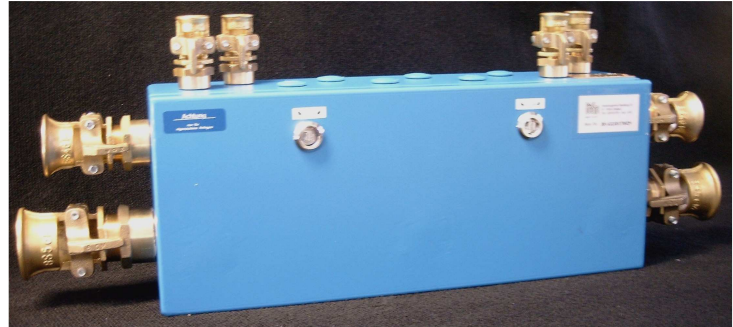
After inserting or attaching additional components they can be used as control and signal equipment – in which case further certified auxiliary components like light emitting diodes may be installed as well.

Dimensions	Standard sizes available in many gradations (l x w) from 150 x 150 mm to 1200 x 800 mm; other sizes are also available as special designs.
Enclosure	Of sheet steel 1.25 – 5 mm thick, baking enamelled or plastic powder coated; on request, electro-galvanized; standard and flange enclosures are of the same design; the flange enclosures, however, have cut-outs in the side walls which are closed with flange plates and sealings; on customer’s request, the distribution boxes can be manufactured of high-grade steel.
Lid	The lids can be equipped with various locking devices (e. g. casement fasteners, rotation locks, central locking systems etc.).
Terminals	When equipping the distribution boxes with terminals all certified types according to customer’s request can be used and they can be pre-interconnected.
Holes	The holes (Pg, M or NPT) are drilled and placed according to customer’s requirements and, on request, they are equipped with cable entries or other certified components.

Examples of EEx i-Distribution Boxes

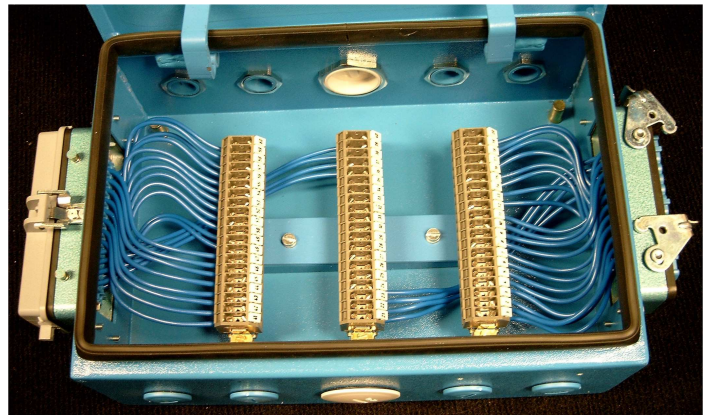
Distribution Box BS 632/D/170029

- Dimensions 500 x 200 x 120 mm
- Lid with hinges – optionally, fitting left/right to long sides
- Door locking with casement fasteners
- 4 butt straps
- 2 bars with 70 MTK-P/P BU-terminals each
- Continuously numbered from 1 to 70
- Inbuilt parts fitted on mounting plate
- Holes:
 - Long sides 10 holes with Pg 16 top and 6 x Pg 21 bottom,
 - at the side left and right 1 hole Pg 36,
 - 1 x Pg 29
- Cable entries:
 - 2 x BS 5 (Pg 36)
 - 2 x BS 4 (Pg 29)
 - 4 x BS 2 (Pg 16)
- Remaining holes equipped with dummy plugs



Distribution Box BS 632/D/170021

- Dimensions 300 x 200 x 120 mm
- Lid with casement fastener, sealing and internal hinges
- 4 butt straps
- 24-pole Wieland-plug-in-connector, (one side plug, other side socket)
- 60 Wieland-terminal blocks, continuously numbered from 1 – 60
- Fully wired
- 2 sides with 1 x PG 29- and 4 x PG 16-holes each, Equipped with dummy plugs

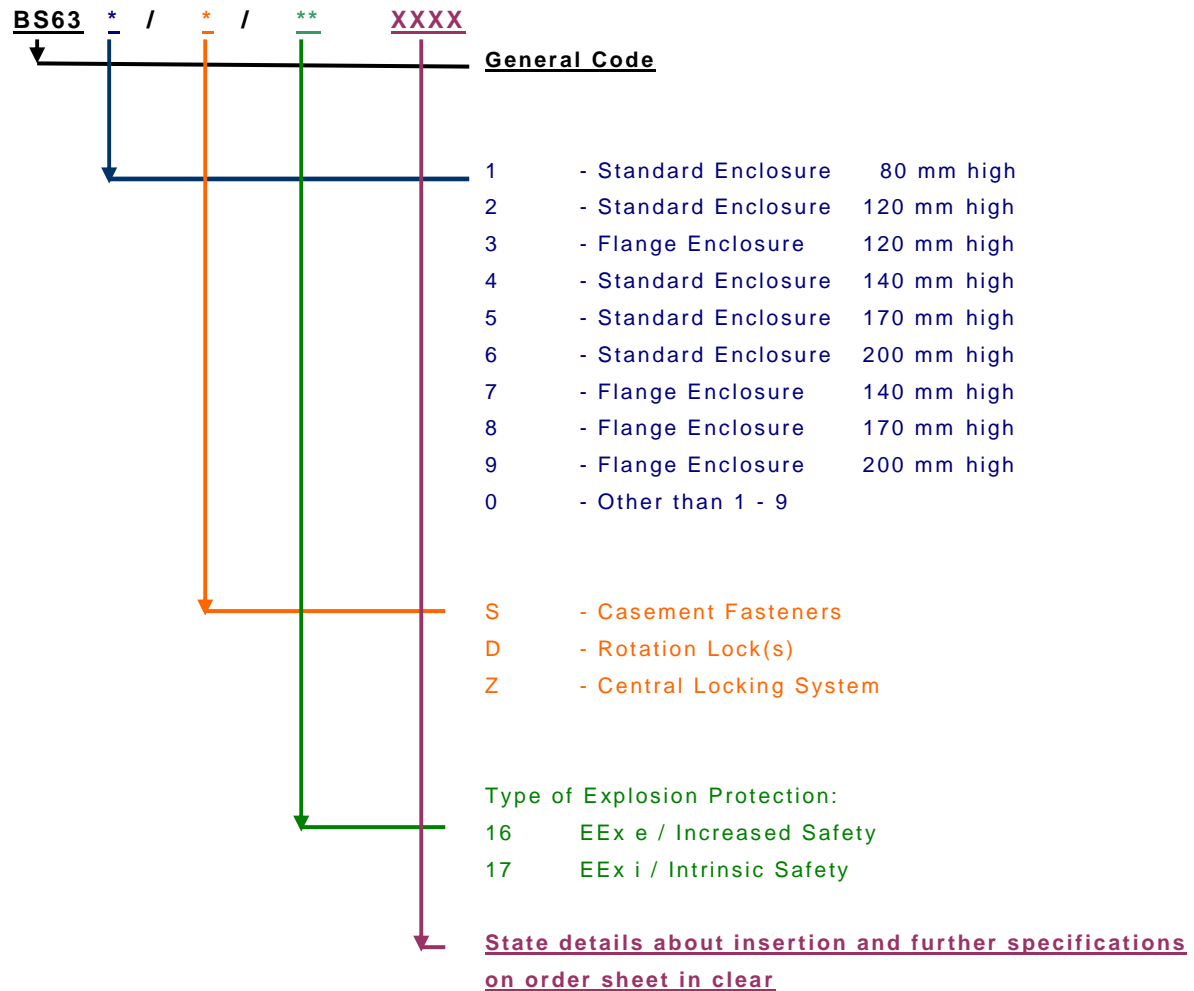


Distribution Box BS 636/D/170057

- 700 x 1000 x 200 mm
- Lid with hinges, optionally, fitting left/right to long sides,
- Door locking with casement fasteners,
- 4 butt straps,
- 5 bars with 126 MTK-P/P BU-terminals each continuously numbered from 1 to 126, with insertion aids
- Inbuilt parts fitted on mounting plate, Holes:
 - bottom 6 x Pg 21 and 7 x Pg 29
 - at the side right 6 x Pg 16, 6 x Pg 21 and 2 x 29 and 3 holes with blind flange



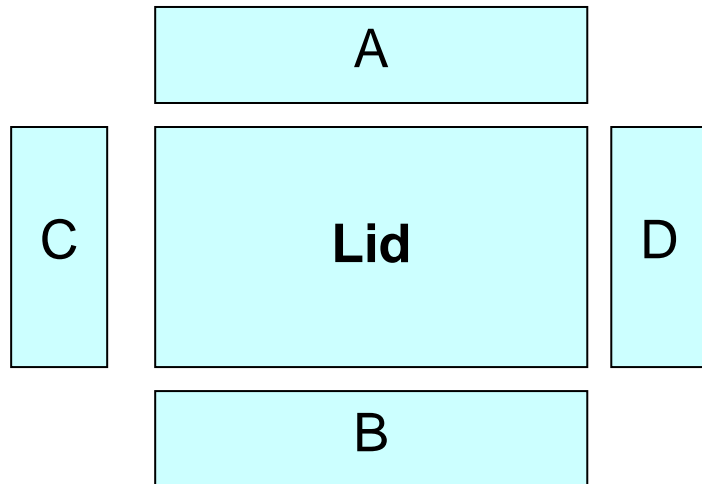
Type Identification Key



Example of Equipping a Distribution Box (EEx i or EEx e)

According to Type Identification Key

BS 63 * / * / 1 * * * * *



Holes:

Side A Number _____ Size _____
 Side B Number _____ Size _____
 Side C Number _____ Size _____
 Side D Number _____ Size _____
 Lid Number _____ Size _____

Attachments (cable entries, dummy plugs, adapters, switches etc.):

Side A Number _____ Type _____
 Side B Number _____ Type _____
 Side C Number _____ Type _____
 Side D Number _____ Type _____
 Lid Number _____ Type _____

Terminals Number _____ Type _____

Mounting Bars Mounting Plate Cable Ducts

Special Requests

Dimensions l x w x h _____ mm Sheet Steel Thickness _____ mm
 Electro-Galvanizing _____ Colour/RAL _____
 Hinges _____ Lid Clamping _____

Remarks

