



Ex II 2G

Ex d IIC Gb



Ex II 2D

Ex tb IIIC Db

Nº FTZÚ 05 ATEX 0262U



Exproof junction box made out of copper-free aluminium, which confers it with great mechanical resistance. Includes a round threaded cover, stainless steel screws and clamping bar.

This box is designed to function as a derivation or connection box in environments in which the formation of explosive atmospheres due to gases, vapours, fogs or suspended dust is probable and they ensure a high protection level (group II, category 2 of the ATEX directive).

Must be used in areas with an explosion risk classified as:

- Zone 1 (gases) or zone 21 (dust)
- Zone 2 (gases) or zone 22 (dust)

## EXPROOF JOINTS

There are five exproof joints in the XD-JB85 housing:

1 in the thread of the M85 X 2

4 in the threaded conduit openings D4, D3, D2, D1 for cable glands and/or stopping plugs.

The five exproof joints are designed for:  $100 \text{ volume} < V \leq 1500 \text{ cm}^3$

The cable glands and stopping plugs can be used for these connection boxes and for the large housings of the DURTEX, DURTOX and DIREX detectors whether for gas or explosive dust.

## TECHNICAL CHARACTERISTICS

Operational temperature	From -40°C to +100°C
Regulation code for explosive atmospheres	Ex d IIC Gb Ex tb IIIC Db
Cable diameter (not armed)	10,1mm <sup>2</sup> -13mm <sup>2</sup>
Dimensions -mm-	150 x 190 x 85
Weight -gr-	approx. 1.100
Color	Epoxy paint RAL 1007
Protection grade	IP65

## POSSIBLE CONFIGURATIONS

Metallic derivation box ATEX NPT 1/2" with four cable entries (cable glands).



Metallic derivation box ATEX NPT 1/2" with three cable entries (cable glands) and a stopping plug.



Metallic derivation box ATEX NPT 1/2" with two cable entries (cable glands) and two stopping plugs.



## ORDERING INFORMATION

When placing your order include the correct code of the product you need and make sure that its description is the correct one, as well as the quantity of cable glands and stopping plugs required.

### ATEX derivation box – Metallic cable gland – stopping plug

CODE	DESCRIPTION
envXDB85	Metallic derivation box ATEX NPT 1/2" XDB85 CERTIF. FTZU 05 ATEX 0262 U with four threaded openings.
preOSA2FU	Metallic cable gland 1/2" ATEX Ex II 2 GD valid for XD-I4 and XD JB85 enclosures CERTIF. PRESAFE 17 ATEX 11454X for gas and explosive dust. (for 9mm <sup>2</sup> -15,3mm <sup>2</sup> cable diameter)
tapOSSP20	Stopping plug NPT 1/2" ATEX Ex II 2 GD valid for XD-I4 and XD JB85 enclosures CERTIF. NEMKO 02ATEX502X for gas and explosive dust.