



Device Description:

Universal crossing-box series UR-AX is designed for making connections of signaling and telecommunication cables in intrinsically safe circuits. Connection between wires in the box are implemented using multipole spring terminals. Cable entries can be made of plastic or metal depending on customer choice. Their number can also vary depending on customer implementation needs. Device is made as intrinsically safe, allowing their use in mining in areas with danger of explosion of methane and / or coal dust.

Technical characteristics:

ATEX certificate number

FTZÚ 03 ATEX 0364

Device parameters:

Number of cable entries:

max. 12 pieces

Type of cable entries:

M16x1,5 ; M20x1,5 ; M25x1,5 ;
M32x1,5

Maximum profile of wires
connected to the terminal blocks:

6 mm²

Maximum voltage applied to two
adjacent terminals:

U_i < 90V

Normal working conditions:

Device category:

M1

Casing type:

Ex ia I

Gas explosiveness group:

I

Working temperature range:

0°C ÷ 40°C

Casing protection degree:

IP54

Width x Height x Depth:

270 x 270 x 90 mm

45 mm must be added on each of the
sides for cable entry

Weight:

5,5 kg

ATEX marking:

I M1 Ex ia I Ma

I M2 Ex ib I Mb