



RZ 01/RZ 02/RZ 03 – Impulse Bell, Horn and Signal Bell

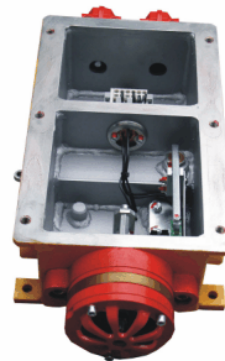
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RZ 01



RZ 02



RZ 03

Use:

Electrical acoustic equipment (impulse bell RZ 01, horn RZ 02 and signal bell RZ 03) serves as signal acoustic indication especially for the transport for vertical mining machines, subshafts, gradient paths and other facilities. It is intended for installation in coal mines in a room where there is a methane explosion hazard. The device is certified with FTZÚ 02ATEX 0302.

Description

The body of the explosion-proof enclosure and the lid are made as steel weldments. The enclosure is divided into three compartments. The instrument section contains a solenoid circuit with a coil and a switch. The second section includes a switch mechanism. The third section, which is separated from the instrument section by a partition wall with multiple grommets, contains a connection terminal board.

On the bottom wall of the enclosure, there are two flanges for the PNV 32 outlets. The top section of the enclosure is equipped with a head with a specific design for a bell and a horn. It contains a flange with a solenoid anchor and a mechanism of the bell or horn.

In the top section of the enclosure, there are columns with the M10 threads welded on. On these columns, there is a bracket which holds the round cimbalom of the bell. In the middle of cimbalom, there is a round hole, which allows the optimum position setting with respect to the striker of the bell. The design of the horn head is different. The diaphragm is metallic and the head is equipped with a metallic cover.

Technical Parameters:

Model	IM2 Exd I
Working voltage	24, 110, 230, 500V / 50Hz
Constant input, var. RZ 01	50 VA
Constant input, var. RZ 02, RZ03	30 VA
Max. cross-section of the connected conductors	4 mm ²
Working position	Vertical, bushings on the bottom side
Bushings	2×PNV – 32, with a welded-on flange, o cab. 10 -18 mm
Ambient temperature	-20°C - +40°C
Protection	IP 54
Dimensions	440 × 324 × 215 mm, bushings included
Dimensions of the gripping	180 x 255 mm, φ 9 mm
Weight	21 kg

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



NHD – 01 Explosion-proof Horn



Certificate: ATEX



Technical Parameters:

Model	IM2 Exd I
Operating voltage	24, 42, 230 V AC
Max. constant input of the magnet	30 VA
Max. cross-section of connected conductors	4 mm ²
Bushings	2×PNV-32, with a welded-on flange, o cab. 10-18 mm
Ambient temperature	-20°C - +40°C
Protection	IP 54
Dimensions	223 × 252 × 116 mm, bushings included
Gripping dimension	60 mm, 2x M8
Weight	21 kg

Use:

The electric acoustic device, NHD -01 horn, serves for the acoustic indication, especially for the transport of the vertical hoisting engines, subshafts, sloped paths, and other devices. It is designed for installation in coal mines in the areas with an explosion hazard and in the areas of gaseous mines where there is an explosion hazard.

Description:

The explosion-proof enclosure body and the lid are made as a steel weldment. The instrument compartment contains the solenoid circuit with a coil. The second compartment, separated from the instrument compartment by a partition with a multiple grommet, includes the connection terminal board consisting of WAGO terminals. Two flanges of the PNV 32 bushings are welded-on in the lower wall of the enclosure.

The upper section of the enclosure is equipped with a head. It contains a flange with the solenoid anchor and the actual horn mechanism. The diaphragm is metallic and the head is equipped with a metallic cover. The enclosure is fitted with internal and external grounding screws (internal M5, external M6 with a plate).

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