



ISO 9001  
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## INDEX CARD

# Flameproof intrinsically safe console box, OiSP type

The flameproof intrinsically safe console box of the OiSP console is designed to house the control and signaling elements of explosion-proof battery locomotives type ELA-44 / 1,2,3. The box has a flameproof part with dimensions of 600x361x265 and a non-flameproof part for the room of intrinsically safe control devices with dimensions 200x200x265mm. Between the flameproof and non-flameproof parts, an IPOG45x1.5 certified bushing - 20 wires is installed.

In the non-flameproof part to which the intrinsically safe circuits are led out, there are devices with the intrinsically safe circuits led out of the flameproof part. In the non-flameproof section there is a connector that authorizes the panel to perform the locomotive's maneuvers. The OiSP flameproof box is mounted in the locomotive to the front wall of the locomotive cabin on special grips.

Electric circuits from flameproof construction devices will be introduced to the flameproof part through certified inlets manufactured by PHPU "Izol-Plast", and intrinsically safe circuits to the non-flameproof part.

The flameproof and intrinsically safe box of the OiSP console as a flameproof enclosure is made in the form of a cuboid with dimensions of 360mm (height) x 265mm (depth) x 900mm (width).

Flameproof intrinsically safe console box, OiSP type	
Dimensions:	
- width	- 800mm
- depth	- 265mm
- height	- 361mm
Type, number of grooves	WMg-1a – 6pcs
Working temperature	from -10° C to +40° C
Work location	horizontal
Total weight	60kg
Volume of the flameproof part	35,5 dm <sup>3</sup>
WE-type examination certificate	KDB 10ATEX147X
ATEX marking	I M2 Ex d ia [ia] I Mb



### Certificate:

The flameproof intrinsically safe console box of the OiSP console has the WE type examination certificate: **KDB 10ATEX147X / 2 of 20.10.2014**. as a supplement to the EC-type examination certificate: KDB 10ATEX147X of 15.12.2010. issued by the Central Mining Institute, the Certification Body of the Experimental Mine "Barbara".

The essential requirements of safety and health protection were implemented by meeting the requirements of the following standards: PN-EN 60079-0: 2013; PN-EN 60079-1: 2014-12 and PN-EN 60079-11: 2012.

The flameproof intrinsically safe console box of the OiSP console is marked with:

 I M2 Ex d ia [ia] I Mb