 <p>ISO 9001 OBAC/002/SZJ/20</p>	<p><b>P.H.P.U.</b>  <b>IZOL PLAST</b>          Sp. z o.o.          44-362 Rogów          ul. Raciborska 79          tel./fax 32-4512444,          32-4512010  <a href="http://www.izol-plast.rogow.pl">www.izol-plast.rogow.pl</a></p>	<p><b>INDEX CARD</b></p> <p><b>8.A02H.5 * 12. *. IP encoder</b></p>
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8.A02H.5 \* 12. \*. IP encoder is a recertified Kuebler 8.A02H.5B12.0512.EX encoder for coal mining (Group I), originally marked II 3G Ex nA IIC T4 Gc X .

Despite the lack of structural changes and interference in the electronic circuits of the device, the company Izol-Plast takes over the obligations of the manufacturer and takes responsibility for the encoder marked as a device of its own production with the EU-type examination certificate: **OBAC 15ATEX0232X of 12/05/2015**.

8.A02H.5 \* 12. \*. IP encoder is used to measure the rotational speed and can be used in mining devices and machines, among others in the ELA-44 locomotive to measure engine rotational speed.

**Rated data of encoder type 8.A02H.5 \* 12. \*. IP:**

Supply voltage	5V DC $\pm$ 5%
Maximum supply current	90mA
Output signal	rs422 transmission
Maximum output load current	$\pm$ 20mA
Maximum frequency	300kHz
Weight	0,8kg
Ambient temperature	-10°C +40°C
Maximum velocity	2500 min <sup>-1</sup>
The degree of protection of the housing	IP65

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Encoder designation :

Encoder type **8.A02H.5\*12. \*.IP**

Inner sleeve diameter:

**C** = Ø20mm; **5** = Ø25mm;

**3** = Ø28mm; **A** = Ø30mm;

**2** = Ø38mm; **B** = Ø40mm

**1** = Ø42mm

Number of pulses per revolution:

**0050** – 50 revolutions -1; **0360** – 360 revolutions -1;

**0512** – 512 revolutions -1; **0600** – 600 revolutions -1;

**1000** – 1000 revolutions -1; **1024** – 1024 revolutions -1;

**1500** – 1500 revolutions -1; **2000** – 2000 revolutions -1;

**2048** – 2048 revolutions -1; **2500** – 2500 revolutions -1;

Certificate:

Encoder type 8.A02H.5 \* 12. \*. IP has the EU-type examination certificate: **OBAC 15ATEX0232X of 12.05.2015** issued by the Center for Testing and Attestation and Certification OBAC Sp. z o. o., owned by the company Izol-Plast.

The basic requirements of safety and health protection were implemented by meeting the requirements of the following standards: PN-EN 60079-0:2013 oraz PN-EN 60079-11:2012.

8.A02H.5 \* 12. \*. IP encoders are marked with:

