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INDEX CARD

**8.A02H.5 * 12. *. IP
encoder**




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 ⁻¹
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:

