



### **Device Description:**

Motion sensor ACR-AX is designed to work with drives of cable cars HNK-1, HNK-2, HNK-3, NH100K and ECKER. There is also a possibility to work with any drive, unless the mechanical structure of part cooperating with the sensor is adapted to its installation and speed range of sensor axis will not differ from those occurring in drives listed above. Electrical equipment is made as intrinsically safe, which allows using it in mining in areas with danger of methane explosion.

## **Technical characteristics:**

ATEX certificate number

FTZÚ 03 ATEX 0368

### **Supply parameters:**

Supply voltage  $U_N$ 
 $12 \div 15 V_{DC}$ 

Maximum supply voltage  $U_l$ 
 $18 V_{DC}$ 

Supply current  $I_{max}$ 

17 mA

Output circuits :

2 outputs marked T1, T2  
generating signal in the Gray code  
with frequency proportional to  
shaft rotational speed  
voltage free, resistive type with two  
values of resistance :

Output parameters:

1.2k $\Omega$  and 2.02k $\Omega$ 

Maximum shaft rotational speed

500 rpm

Maximum cable length

50 m

### **Normal working conditions:**

Device category

I M2

Casing type

Ex ib I

Gas explosiveness group

I

Working temperature range

0°C ÷ 40°C

Air humidity

max 95%

Casing protection degree

IP54

Width x Height x Depth

132 mm x 82 mm x 75 mm

Number of cable connectors

1

Weight

2 kg

Mechanical exposure

low