

# OPTICAL – ACOUSTIC SIREN OSA-2



Catalogue card



## DESCRIPTION

Optical-acoustic siren OSA-2 is a stationary device designed for optical and acoustic signals. It is equipped with a digital input, working in "diode-in-series" mode. Input state enforces specific optical-acoustic signaling.

OSA-2 is a device of M1 category and may thus be used in all underground mines with possible methane or coal dust explosion hazard.

## BASIC TECHNICAL PARAMETERS

### Optical-acoustic siren OSA-2

Power supply	9-16VDC
Current consumption	max. 200mA
Working temperatures range	-10 °C ÷ +40 °C
Relative humidity range	0% ÷ 95% without condensation
Dimension	160 x 75 x 78 mm
Weight	0,9 kg
Casing internal protection	IP 54
Parameters of the supply line	$U_i=16V$ , $I_i=3,3 A$
<b>Digital input technical data</b>	
Digital input parameters	$U_o=6,4$ ; $I_o=9mA$ ; $P_o=13mW$ $U_i=7V$ ; $I_i=31mA$ ; $C_i=66\mu F$ ; $L_i=0,43\mu H$
Max. open input voltage	5 V
Max closed input current	7 mA
Max resistance of long line with diode	400 $\Omega$
Line check type	diode at checked contact in series

## EXPLOSION-PROOF MARK



I M1 Ex ia I Ma

EC type examination certificate: KDB 12 ATEX 0061