MINING MONITOR MG-1

Catalogue card

DESCRIPTION

Mining monitor MG-1 is a stationary device for displaying images from the cameras monitoring the mining excavations. The video is transmitted via optical fiber standard 100BASE-FX (version "F"), cable standard 100BASE-TX (version "E") or wireless Wi-Fi standard in the 2.4 GHz band (version "FW" or "EW"). In addition, in version "A" is the ability to connect an external analog input PAL (composite video 1Vpp) via BNC connector located on the housing. The monitor has a LCD screen with a maximum resolution of 1024x600 pixels.

The monitor can be equipped with the function keys in the amount of 6 or 12 pieces. Button functions can be defined by the customer (eg. change the configuration parameters of devices, switching the image on the visual system of industrial processes, etc.).

Depending on the version, the user should use relevant marking devices, according to the following scheme:

```
MG -   1  a   /  b   /  c
       |      |      |
       |      |      A: Version with external analog input connector
       |      0: Version without function keys
       |      6: Version with 6 function keys
       |      12: Version with 12 function keys
       F: The type of connection interface - fiber optic 100BASE-FX, single-mode
       FW: The type of connection interface - fiber optic and wireless Wi-Fi
       E: The type of connection interface - RJ45 cable
       EW: The type of connection interface - RJ45 cable and wireless Wi-Fi
```

MG-1 is a device of M1 category and may thus be used in all underground mines with possible methane of coal dust explosion hazard.

TECHNICAL DATA

Mining monitor MG-1	
Power supply	Uz = 9÷30V DC, type 12V DC max. 1,3A
Temperature range	from -10 $^{\circ}$C to + 40°C
Relative humidity range	from 0% to 95% without condensation
External dimensions	400 x 300 x 130 mm
Weight	about 8 kg
Casing internal protection	IP65
Resolution	1024 x 600 pixels

EXPLOSION-PROOF MARK

⟨Ex⟩ I M1 Ex ia op is I Ma   (for the version with the optical communications)

⟨Ex⟩ I M1 Ex ia I Ma   (for the version with cable communication)

EC type examination certificate: TEST 16 ATEX 0009X