





## Device description:

Digital control device CUKS-MPS1 based on modular intrinsically safe programmable controller is designed to control and visualize the work of machines and devices used in underground mining plants in zones with danger of methane and / or coal powder explosion. Each elements of intrinsically safe programmable controller hold independent certificates of notified certification body that confirm fulfillment of ATEX Directive. This allows any hardware configuration, adjusted to client needs. The construction of controller fulfills demands of IEC61131 norm in terms of standardization of functional and operational features and programming process. Compatibility with the norm allows individual programming of the controller and has an influence on the code life cycle. It speeds up the designing, implementation, testing and modernization of the controller. Used system allows programming in all languages included in IEC61131-3 norm: Instruction List (IL), Structured Text (ST), Function Block Diagram (FBD), Ladder Diagram (LD), Seguential Function Chart (SFC). Every module of the controller can communicate with each other in one of three available inferfaces: I2C, RS-485 or CAN.

41-400 Mysłowice

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## ▼ Technical characteristics:

Supply voltage U<sub>N</sub>

Parametric inputs

Transmitter outputs
Safety module

Acoustic signals generator module

Signaling operation status

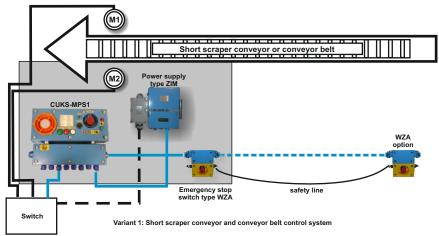
Device category
Casing type
Casing protection degree
Width x Height x Depth
Weight

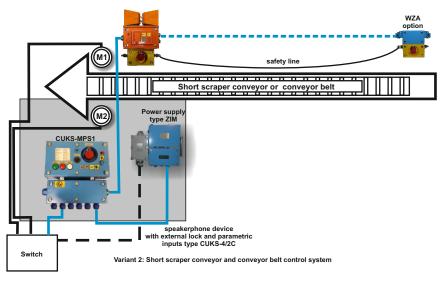
6,5 - 15 VDC

8 inputs (every distinguishes four states: open, close, line control state high or low) 4 outputs (load capacity 1A) control of one or two circuits possibility to separate independent audio lines 16 lines synoptic table

I M1 Ex ia I Ma IP54 410 x 300 x 170mm 10 kg

## Examples of use:





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