

Emergency Stop Switch WZA/L1



Active switch unlock switch

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WZA emergency stop switch equipped with cord tension control system is a stable switch intended to use in serial security circuits of mining machines, for example along the route of the conveyors, cable railways etc. In case of emergency the user causes the execution of switch and breaking the serial security circuit by pulling the cord or by pressing the emergency stop button. Every switch has optical signaling of his status (engaged / not engaged) by LED flashing. The manufacturer provides the implementation of device with or without the connection chamber - with the possibility to connect it with a loudspeaking device. Additional signaling contacts provide remote switch status identification throuth digital data transmission network. The electrical equipment is made as intrinsically safe, what allows it to be used in mining plants in chambers with danger of methane and / or coal dust explosion.

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Blockade for padlock or other protection

Cable outlet or cable connection



▼ Technical characteristics:

ATEX certificate number KDB 04 ATEX 270 Functional safety level SIL2

Fulfillment of requirements of norm PN-EN 60947-5-5

Device parameters:

 $\begin{array}{lll} \text{Supply voltage } U_{\scriptscriptstyle N} & 5 \div 15 \text{ VDC} \\ \text{Power consumption } I_{\scriptscriptstyle N} & 10 \text{ mA} \\ \text{Maximum cord length} & 75 \text{ m} \\ \end{array}$

Maximum cord tensioning system unlocking force 75 N

Blockade working force in state of proper

cord tension 120 ÷ 150 N Maximum cord blockade tendon movement 4 cm

Normal working conditions:

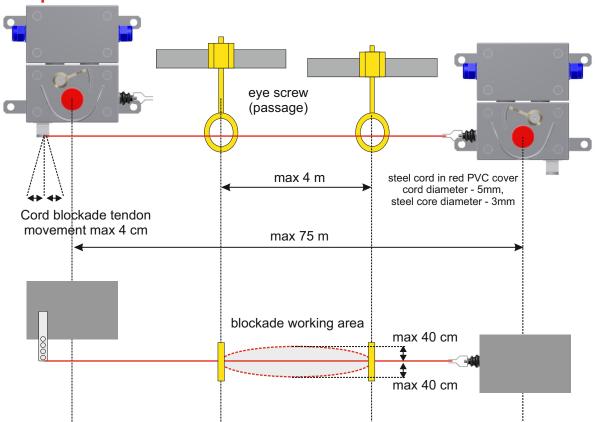
Device category M1
Casing type Ex ia I Ma
Working temperature range $0^{\circ}\text{C} \div 60^{\circ}\text{C}$

Casing protection degree IP65

Dimensions (Width x Height x Depth) 262 x 252 x 176 mm Number of outlets 2 type M32x1,5

Weight 5 kg

Example of use:



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