



Device Description:

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 through 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.

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:

Supply voltage U_N	5 ÷ 15 VDC
Power consumption I_N	10 mA
Maximum cord length	75 m
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°C ÷ 60°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:

