



OSK-02- Control Case of Mine Machinery



Certificate: ATEX



Technical Parameters:

Model	I M2 (M1) Ex d [ia] I
Supply voltage	Control 12, 18, 24, 42, 48 VAC Engine 500, 660 VAC
Current through the power part through a circuit breaker	80A
Connecting conductor cross-section	Control 0.08 – 4 mm ² Engine 6 – 35 mm ²
Ambient temperature	0°C - +40 °C
Relative humidity	95% without condensation
Protection	IP 54
Socket dimensions	613 x 759 x 183 mm
Weight	81 kg

Use:

OSK-02 is a device for controlling power devices. It is intended for an environment with an explosion hazard in gassy mines. It can be used, if needed, for various devices.

Description:

Electrical and electronic devices are situated in a firm enclosure, where converters to intrinsically safe levels are also present. The terminal block space is made as an Ex d firm enclosure and Ex ia intrinsically safe. On the Ex ia terminal block case there are 14 plastic bushings. On the Ex d terminal block case there are 6 NV32 and 2 NV32-52 bushings.

The instrument space formed by a firm enclosure is equipped with a cover with two sight glasses. Under the sight glasses you can see LEDs of intrinsically safe converters. Various sensors or external controls for a horn can be connected to the converters.

The voltage for the engine is led through a circuit breaker from the shaft contactor (case) which is controlled from OSK-02 or directly at the place of the shaft contactor (case). The voltage for controlling is also led from the shaft contactor (case), but from an intrinsically safe output.

The case contains outputs for supplying two lamps and a horn. The horn can be switched by means of a pushbutton situated outside OSK-02.

Various control signals are led to OSK-02 which enable switching ON/OFF the shaft contactor after pushing the START/STOP pushbutton.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.