



Modem Cabinet ZSBE-M



Certificate: ATEX



ZSBE-M

Technical parameters:

Design	I M2 Ex de I
Supply voltage	230VAC
Power input	12VA
Output supply	12VDC / 350mA
Data output	SHDSL line, two-wire
Transmission distance	maximum of 3km
Temperature range	0 to +40°C
Relative humidity	95% non-condensing
Protection	IP54
Dimensions	240 x 290 x 136mm
Weight	11kg

Application:

The modem cabinet ZSBE-M serves for transmitting a video signal from a stationary camera and its converting for the transmission via the telephone line. The modem cabinet is designed for the use in underground and surface mine areas with a higher methane explosion hazard. The modem cabinet forms part of the KS-02 camera system.

The voltage of 12 VDC is brought out from the modem cabinet which can be used for supplying KR-02 cameras.

Description and Functions:

The ZSBE-M cabinet is made as a secure enclosure. The instrument area is of the Ex d design and the terminal block area is of the Ex e design.

Fuses, a supply source, a transmission modem and an Ethernet reduction are situated in the instrument area. The instrument area is interconnected with the terminal block area by two non-explosive bushings. The supply voltage, the Ethernet signal from the camera, the data telephone signal and the 12 VDC supply voltage for the stationary camera are transmitted to the terminal block. Five bushings M20 are placed on the terminal block part.

The modem case is supplied with 230 VAC. The supply of 230 VAC is led through fuses to the supply source of 12 VDC for the modem. The voltage of 12 VDC is also used for supplying the connected camera. The Ethernet signal from the camera is converted to SHDSL signal for the distance transmission via the telephone line.

The modem in the surface part converts the SHDSL signal back to the Ethernet signal which can further be processed on PC. The modem in the surface part can be situated in a small compact distribution cabinet.



ZSBE-M

The view of the instrument and terminal block areas

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.