



Elektro - Elektronik
Pranjic

Certified according DIN EN ISO 9001:2000
and according to directive 94/9/EG



Pra_matic System



CE₀₁₅₈

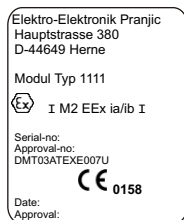
Intrinsically safe FSK interface type 1111

DMT 03 ATEX E 007 U

Description

In this picture you can see a modern communication system of a coal mine. In this case the main controlling computers are connected via Ethernet. Extern PCs can be adapted to this system via ISDN / modem. The connection to the actuators, sensors and other equipment below surface is implemented by profibus, which can be either a copper cable or fiber optics. Via the EEP communication system every part of the equipment is connected to the profibus.

Plate of approval:



Device characteristics:

Dimensions:
(without housing, L x B x H) about 110 x 50 x 25 mm

Ambient temperature range: -20°C to + 80°C

Input parameters

- Intrinsically safe input circuit with EEx ib I protection
- Connection via 16-poles terminal strips K7

- Max. input voltage $U_i = 6 \text{ V DC}$
 $C_i = 12,4 \mu\text{F}$
 $L_i = \text{negligible}$

Output parameters

- Intrinsically safe output circuit with EEx ia I protection
- Connection via two 4-poles terminal strips K1 by Phoenix

- Max. output voltage $U_o = 16 \text{ Vss}$

- For connecting a data transmission circuit type PROFIBUS-M EEx I



**Elektro - Elektronik
Pranjić**

Certified according to DIN EN ISO 9001:2000
and according to directive 94/9/EG

Hauptstr. 380 • D-44649 Herne
Tel.: +49 - 23 25-79 11 67 • Fax +49 - 23 25 - 5 16 01

Internet: www.eep.de
E-Mail: info@eep.de