



Elektro - Elektronik
Pranjic

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



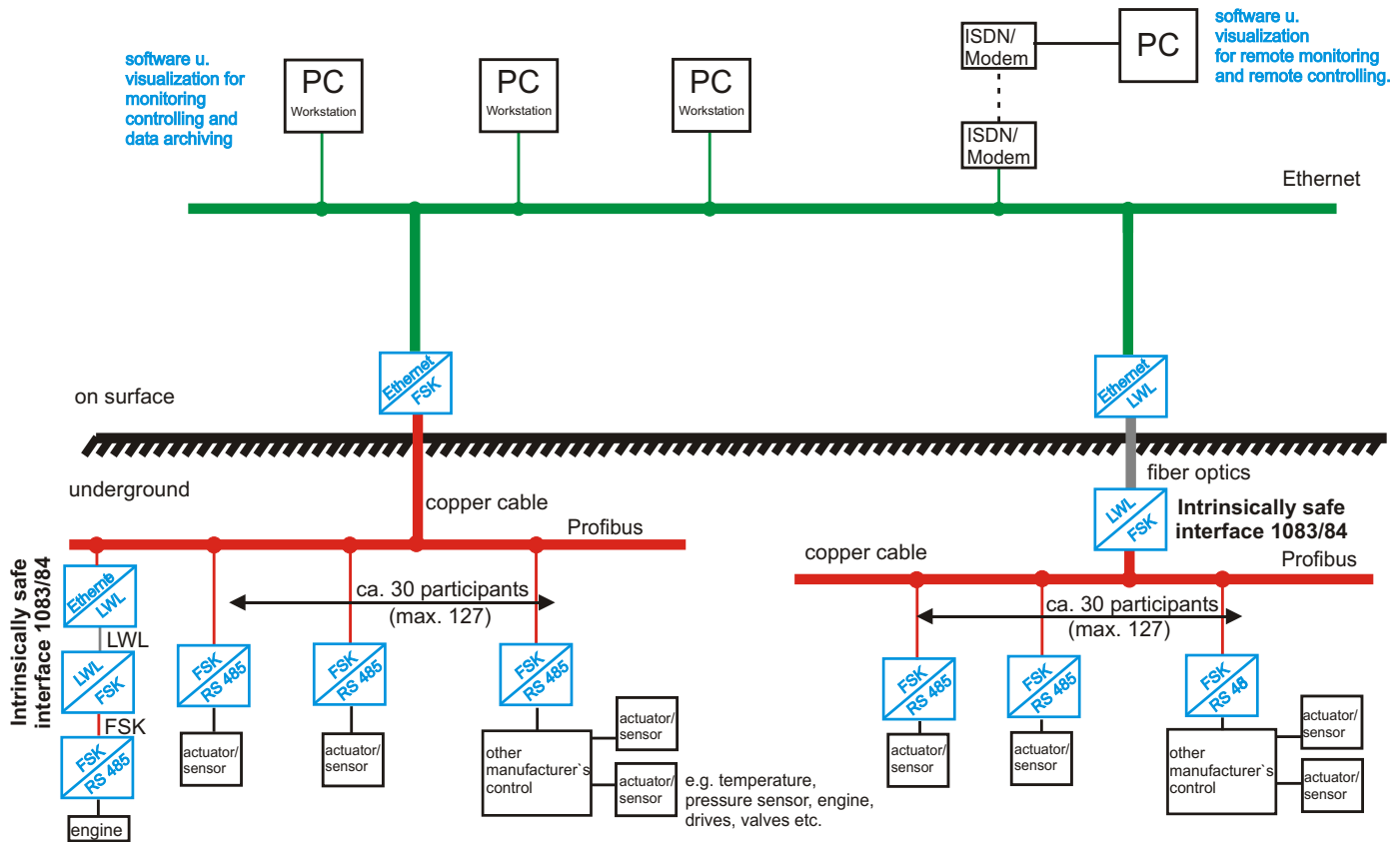
Pra_matic System



CE₀₁₅₈

**Intrinsically safe
interface
type 1083/84
fiber-optic to FSK**

DMT 02 ATEX E 164 U

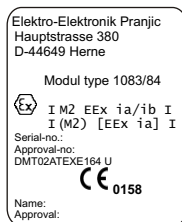


Description

The interface is used as a data transmission unit and changes optical data telegrams, transmitted by fiber-optics in electrical telegrams (Frequency shift keying) and back.

Two example for use of the module is shown at the top.

Plate of approval:



type A or type B

Technical Data

- 1. Ambient temperature range -20°C to + 80°C
- 2. Supply voltage

Type A

- Intrinsically safe power supply EEx ib I
- Connection via 2-poles terminal stripes
- Max. input voltage $U_m = 12,8 \text{ V DC}$
- Max. input capacity $C_i = \text{negligible}$
- Max. input Inductivity $L_i = 15 \mu\text{H}$

Type B

- non intrinsically safe power supply
- Connection via 2-poles terminal stripes
- Critical maximum of value $U_m = 16.0 \text{ V DC}$

3. Output parameters

Type A and B

- Intrinsically safe input circuit EEx ia I protection
- Connection via 2-poles terminal stripes
- Max. output voltage $U_o = 16 \text{ V}_{ss}$
- For connecting a data transmission circuit type PROFIBUS-M EEx I.

4. Fiber-optic connection

Housing	Metal
Max. output power of transmitter:	300 μW bei 20 mA
Input sensibility of receiver:	12 mW



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