

(1) **EC Prototype Test Certificate**

(2) - Guideline 94 / 9 / EC -

Appliances and Protective Systems for Contractual Utilisation
in Explosive Gas Atmospheres(3) **DMT 02 ATEX E 009**(4) **Appliance :** **Portable Telephone Type F 5069**(5) **Manufacturer :** **FHF Funke Huster Fernsig GmbH**(6) **Address :** **D – 42503 Velbert**

(7) The constructional style as well as the different permissible designs are specified in the annex to this prototype test certificate.

(8) The certification body of Deutsche Montan Technologie GmbH, designated agency no. 0158 in accordance with article 9 of guideline 94 / 9 / EC of the European Parliament and the Council dated March 23rd, 1994, certifies that the appliance meets the fundamental safety and health requirements for the conception and the construction of appliances and protective systems for the contractual use in explosive gas atmospheres in accordance with annex II of the guideline.
The results of the test are set forth in the inspection record BVS PP 02.2002 EC.

(9) The fundamental safety and health requirements are met in accordance with

EN 50014 : 1997 + A1 – A2	General Regulations
EN 50020 : 1994	Intrinsic Safety
EN 50303 : 2001	Group I Category M1
EN 50284 : 1999	Group II Category G1

(10) If the sign " X " precedes the statement number, reference is made in the annex to this certificate to special terms for the safe use of the appliance.

(11) This EC Prototype Test Certificate only refers to the conception and the prototype test of the specified appliance in accordance with the guideline 94 / 9 / EC.
Further requirements of the guideline, which are not covered by this certificate, are to be met for the production and marketing of the appliance.

(12) The marking of the appliance must include the following details:

Ex I M 1 EEx Ia I
II 1G Eex Ia IIC T6**Deutsche Montan Technologie GmbH**

Essen, January 7th, 2002

(Signature)
DMT - Certification Body(Signature)
Divisional Manager

(13) Annex to

(14) **EC Prototype Test Certificate****DMT 02 ATEX E 009**(15) 15.1 Article and type

Portable telephone Type F 5069

15.2 Specification

The portable telephone serves for the establishment of a mobile telephone installation in explosive gas atmosphere.

Up to 10 portable telephones may be connected in parallel in an installation.

The length of the interconnecting lines may amount to 10 km if the line capacity is lower than 180 nF / km and the line resistance higher than 11.9 Ω / km.

The appliance does not differ from the constructional style specified in BVS 90.B.1019 with regard to the safety-relevant aspects.

15.3 Characteristics

per portable telephone

Maximum output voltage	U_o	± 10	V
Maximum output current	I_o	± 155	mA
Maximum output power	P_o	390	mW

(16) Test certificateBVS PP 02.2002 EC, status January 7th, 2002(17) Special conditions for safe application

Not applicable