DEKRA

Translation

1st Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate
BVS 08 ATEX E 143 X

Equipment: **Radiotelephone type MTP850 Ex – 2D**

Manufacturer: **Motorola GmbH**

Address: **13507 Berlin, Germany**

The radiotelephone can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

Description

The radiotelephone type MTP850 Ex - 2D is a handheld radiotelephone and it serves for communication in the UHF band. The 380 MHz version will be changed marginally and an 800 MHz version will be implemented.

name	type description	model number
MTP850 Ex - 2D (380 MHz Version)	PT911BSEx	H01PCF6TZ5BN
MTP850 Ex - 2D (800 MHz Version)	PT711BSEx	H01UCF6TZ5AN

The following antennas can be connected to the radio:

For the 380 MHz version:

85007012001	Stubby (Short) 380 – 430MHz
8587526V14	Stubby (Medium) 380 – 430MHz
8575279M01	Whip (Long) 380 – 430 MHz

For the 800 MHz version:

85012000001	Whip Antenna, 806–870 MHz
8575277M02	Stubby Antenna, 806–870 MHz

For the supply of the radio the battery type NNTN7383A (BVS 08 ATEX E 097) is used.
The battery will be charged only outside the potentially explosive atmospheres.

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The radios may be used with one of the following leather carry cases/carrying devices:

PMLN5287A	Hard Leather Carry Case,
PMLN5288A	Soft Leather Carry Case,
PMLN5004A	Shoulder Wearing Device,
PMLN5134A	Belt Clip (2.5 inch),
NTN5243A	Shoulder Strap.

The following accessories:

PMMN4058A	Remote Speaker Microphone	(BVS 08 ATEX E 107),
PMLN5389A	Over the Head Heavy-duty Headset	(BVS 07ATEX E 160),
PMLN5390A	Behind the Head Heavy-duty Headset	(BVS 07ATEX E 160),
PMLN5391A	Over the Head Lightweight Headset	(BVS 07ATEX E 160),
PMLN5392A	Behind the Head Lightweight Headset	(BVS 07ATEX E 160),
PMMN4063A	Throat Microphone with 80 mm PTT Button	(BVS 07ATEX E 160)

can be connected to the radios.

The listed accessory will be connected only outside the potentially explosive atmospheres.

The permitted ambient temperature range for the radio, the battery and the accessories is -20°C ≤ Ta ≤ +50°C.

Parameters

1. Electrical data

380 MHz Version frequency range:	380 – 430	MHz
800 MHz Version frequency range:	806 – 870	MHz
output power under normal condition:	1	W
under fault condition (ib):	< 2	W

2. Ambient temperature range -20°C ≤ Ta ≤ +50°C

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2006	General requirements
EN 60079-11:2007	Intrinsic safety "i"
EN 61241-0:2006	General requirements
EN 61241-11:2006	Intrinsic safety "iD"

The marking of the equipment shall include the following:

II 2G Ex ib IIC T4
II 2D Ex ibD 21 IP6x T90°C

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Special conditions for safe use

In the potentially hazardous dust atmospheres the radio must be protected against impact with energies higher than 4 Joule to the enclosure and 2 Joule to the display lens.

Test and assessment report

BVS PP 08.2163 EG as of 07.09.2009

DEKRA EXAM GmbH
Bochum, dated 07. September 2009

Signed: Dr. Eickhoff
Certification body

Signed: Dr. Wittler
Special services unit

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 01. October 2009
BVS-Ha/Her A 20090080

DEKRA EXAM GmbH

Certification body

Special services unit

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