

(Non authorized translation)



EC-TYPE-EXAMINATION CERTIFICATE

(2)Directive 94/9/EC –

> Equipment and protective systems intended for use in potential explosive Atmospheres

(3)EC- type- examination Certificate number

DMT 02 ATEX E 086

(4) Equipment: Pressurized enclosure system type F850-SYST.*.*.*.*

(5)Manufacturer: Gönnheimer Elektronic GmbH

D- 67433 Neustadt an der Weinstraße (6)Address:

- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8)The DMT – Gesellschaft für Forschung und Prüfung mbH, Zertifizierungsstelle, notified body No. 0158 in accordance with Article 9 of the Council Directive 94/9/EC of March 1994, certifies that equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report No. BVS PP 02.2062 EG

(9)Compliance with to essential Health and Safety Requirements has been assured by compliance with:

EN 50 014:1997 + A1 - A2 General directives EN 50 016:1995 Type of protection ,p' EN 50 020:1994 Intrinsic Safety 'i'

- If the sign "X" is places after the certificate number, it indicates that the equipment is (10)subject to special conditions for safe use specified in the schedule to this certificate.
- This EC- type- examination Certificate relates only to the design and construction of (11)the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.
- The marking of the equipment shall include the following:

Deutsche Montan Technologie GmbH

Essen, den 13. Juni 2002

DMT- Zertifizierungsstelle	Fachbereichsleiter



(Non authorized translation)



(13)Annex to

(14)EC- TYPE-Examination CERTIFICATE No.

DMT 02 ATEX E 086

(15)15.1 Equipment and type

Pressurized enclosure system type F850-SYST.*.*.*

15.2 Description of equipment

The pressurized enclosure system type F850-SYST.*.*.* consists of a housing in various basic constructions to contain electrical assemblies. Purging procedure and the minimum pressure of the pressurized enclosure is monitored by the control unit F850S, DMT 99 ATEX E 003. Circuits to an optional built in membrane keyboard are intrinsically safe according category 2G.

15.3 Parameters

15.3.1 Electrical Parameters

AC/DC 230 V Maximum supply voltage 3 x AC 400 V or

The exact electrical details are defined in the operation manual.

15.3.2 Pneumatic Parameters

6 m³ Maximum free volume Minimum overpressure 0,8 mbar

The minimum purging volume is defined in the operation manual.

(16)Test report

Report No. BVS PP 02.2062 EG, revision status 13.06.2002

Special conditions for the save application (17)

None



(Translation)



1. Amendment

(Supplement according 94/9/EG Annex III Figure 6)

to the Conformity Certificate

DMT 02 ATEX E 086						
Device:	Pressurized enclosure	e system ty	pe F850-SY	′ST.*.*.*		
Manufacturer:	Gönnheimer Elektron	ic GmbH				
Address:	D- 67433 Neustadt an	der Weinst	raße			
Description						
The series are extend	ded to devices according	g category 2	D is marked	as follows		
⟨Ex II 2G EEx P II II II II II II II	T3 / T4 or EEx p [ib]	IIC T3 / T4	for type F850)-SYST.*.*.*.	.G	
	Γ*		for type F850)-SYST.*.*.*.	.D	
	ded to a additional hous					* * *
Compliance with to compliance with:	essential Health and	Safety Re	quirements	has been	assured	by
EN 50 016:1995 EN 50 020:2002	 A2 General directiv Type of protecti Intrinsic Safety 	on 'p' 'i'				
IEC 61241-4:2001	Type of protection	on "pD"				
Test report						
Report No. BVS PP 0	2.2062 EG, revision sta	atus 21.07.20	003			
	EXAM BBG Pro Bochum	üf- und Zer , den 21. Ju		Н		
Zertifizierungsstell	<u>e</u>		Fact	nbereich		



(Translation)



2. Amendment

(Supplement according 94/9/EG Annex III Figure 6)

to the Conformity Certificate **DMT 02 ATEX E 086**

Device:	Pressurized enclosure system type F850-SYST.*.*.*.G/D

Manufacturer: Gönnheimer Elektronic GmbH

D- 67433 Neustadt an der Weinstraße Address:

Description

The Ex p system type F850-SYST.*.*.*.*.G / D may be manufactured in the future according to the documents listed in the associated test report.

The basic safety requirements and health requirements of the changed completion are fulfilled by correspondence with

EN 50 014:1997 + A1 - A2 General directives EN 50 016:1995 Type of protection ,p' EN 50 020:2002 Intrinsic Safety 'i' IEC 61241-4:2001 Type of protection "pD"

The marking of the device must contain the following specifications:

$\langle \mathcal{E}_{X} \rangle$	II 2G EEx p II T3 / T4 or EEx p [ib] IIC T3 / T4	for type F850-SYST.*.*.*.G
$\langle \epsilon_x \rangle$	II 2D Ex pD T*	for type F850-SYST.*.*.*.D

Test report

Report No. BVS PP 02.2062 EG, revision status 15.08.2007

Bochum, den 15. August 2007		
Zertifizierungsstelle	Fachbereich	

DEKDA EYAM GmbH



(Translation)



3. Amendment

(Supplement according 94/9/EG Annex III Figure 6)

to the Conformity Certificate **DMT 02 ATEX E 086**

Device:	Pressurized enclosure system type F850-SYST.*.*.*.*.G/I
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Manufacturer: Gönnheimer Elektronic GmbH

D- 67433 Neustadt an der Weinstraße Address:

Description

The Ex p system type F850-SYST.*.*.*.*.G / D may be manufactured in the future according to the documents listed in the associated test report.

The basic safety requirements and health requirements of the changed completion are fulfilled by correspondence with

EN 60079-0:2006	General directives
EN 60079-2:2007	Type of protection ,p'
EN 61241-0:2006	Intrinsic Safety 'i'
EN 61241-4:2006	Type of protection "pD"

The marking of the device must contain the following specifications:

$\langle E_X \rangle$	II 2G EEx p II T3 / T4 or EEx p [ib] IIC T3 / T4	for type F850-SYST.*.*.*.G
$\langle \epsilon_{\rm X} \rangle$	II 2D Ex pD T70°C or Ex pD 21 [ibD] T70°C	for type F850-SYST.*.*.*.D

Test report

Report No. BVS PP 02.2062 EG, revision status 05.01.2009

	DEKRA EXAM GmbH	
	Bochum, den 05. Januar 2009	
Zertifizierungsstelle	Fachbereich	