



## (1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

**PTB 09 ATEX 1002**

(4) Equipment: Blanking plug, type Ex e \* (\*) \* \* \* \* , extender, type Ex e \* \* \* \* \* and reducer, type Ex e \* \* \* \* \*

(5) Manufacturer: Pflitsch GmbH & Co. KG

(6) Address: Mühlenweg 30, 42499 Hückeswagen, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this 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 in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential assessment and test report PTB Ex 09-19001.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

<b>EN 60079-0:2006</b>	<b>EN 60079-7:2007</b>	<b>EN 61241-0:2006</b>	<b>EN 61241-1:2004</b>
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(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

**II 2 G Ex e II**

**II 2 D Ex tD A21 IP 68**

Zertifizierungssektor Explosionsschutz

Braunschweig, March 20, 2009

By order:

Dr.-Ing. U. Klausmeyer  
Direktor und Professor



ZSEx10100e.dot

(13)

## SCHEDULE

(14)

### EC-TYPE-EXAMINATION CERTIFICATE PTB 09 ATEX 1002

(15) Description of equipment

The blanking plug, type Ex e \* (\*) \* \* \* \* , the extension unit, type Ex e \* \* \* \* \* , and the reducer, type Ex e \* \* \* \* \* , made from nickelized brass and stainless steel, are used for closing or adapting enclosure openings to the nominal size of cable glands in enclosures of Increased Safety "e" type of protection.

#### Technical data

Size of thread	M12 to M63 PG 7 to PG 48 conduit thread
Suited for devices of equipment group II with mechanical risk level	High
Mounted in enclosures with through-holes of plastic, wall thickness	≥ 2 mm
of metal, wall thickness	≥ 1 mm
Mounted in enclosures with tapped holes of plastic, wall thickness	≥ 5 mm
of metal, wall thickness	≥ 3 mm
Torque	Depending on the nominal size metric: = 6 Nm to 20 Nm Pg conduit thread: = 6 Nm to 40 Nm
Ambient temperatures	Depending on the connection thread sealing ring - 30 °C to + 80 °C material NBR - 60 °C to + 180 °C material LSR - 40 °C to + 80 °C material PE
Protection against solid foreign objects, water and contact	IP 68 in accordance with EN 60529

(16) Assessment and test report PTB Ex 09-19001

(17) Special conditions for safe use

None

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin


SCHEDULE TO EC-TYPE-EXAMINATION CERTIFICATE PTB 09 ATEX 1002

(18) Essential health and safety requirements

Met by compliance with the afore-mentioned Standards.

Zertifizierungssektor Explosionsschutz

By order:

  
Dr.-Ing. M. Thedens  
Oberregierungsrat



Braunschweig, March 20, 2009



## 1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 09 ATEX 1002

(Translation)

Equipment: Blanking plug, type Ex e \* (\*) \* \* \* \* , extender, type Ex e \* \* \* \* \*  
and reducer, type Ex e \* \* \* \* \*

Marking:  II 2 G Ex e II  
 II 2 D Ex tD A21 IP 68

Manufacturer: Pflitsch GmbH & Co. KG

Address: Mühlenweg 30, 42499 Hückeswagen, Germany

### Description of supplements and modifications

The sizes of thread M75 and M80 are added to the blanking plug, type Ex e \* (\*) \* \* \* \* , the extension unit, type Ex e \* \* \* \* \* , and the reducer, type Ex e \* \* \* \* \* , made from nickel-plated brass and stainless steel.

### Technical data

Size of thread	M12 to M80 PG 7 to PG 48 conduit thread
Suited for devices of equipment group II with mechanical risk level	High
Mounted in enclosures with through-holes of plastic, wall thickness	≥ 2 mm
of metal, wall thickness	≥ 1 mm
Mounted in enclosures with tapped holes of plastic, wall thickness	≥ 5 mm
of metal, wall thickness	≥ 3 mm

Braunschweig und Berlin

1st SUPPLEMENT TO EC-TYPE-EXAMINATION CERTIFICATE PTB Fehler! Verweisquelle konnte nicht gefunden werden.

Torque	Depending on the nominal size metric: = 6 Nm to 40 Nm Pg conduit thread: = 6 Nm to 40 Nm
Ambient temperatures	Depending on the connection thread sealing ring - 30 °C to + 80 °C material NBR - 60 °C to + 180 °C material LSR - 40 °C to + 80 °C material PE
Protection against solid foreign objects, water and contact	IP 68 in accordance with EN 60529

Applied standards

EN 60079-0:2006

EN 60079-7:2007

EN 61241-0:2006

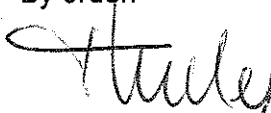
EN 61241-1:2004

Assessment and test report: PTB Ex 10-10089

Zertifizierungssektor Explosionsschutz

Braunschweig, April 12, 2010

By order:

  
Dr.-Ing. M. Thedens  
Oberregierungsrat

