

# EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres

Directive 94/9/EC

Examination Certificate No. 14A1EX1R10935

Explosive Atmospheres

EC-Type Examination Number

Manufacturer: Intertek Testing and Certification Limited (Trade Brand)

Equipment or Protective System

Manufacturer: Intertek Testing and Certification Limited

Manufacturer

Address: 157 Porta Westfalica, Germany

Address

Acceptable variation in the schedule to this certificate

This equipment or protective system and certificate and the documents therein referred to

Notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the essential 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.

Intertek Testing and Certification Limited, notified body number 0359, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the essential 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.

Compliance with standards EN 60079-0:2012 + A1:2013, EN 60079-1:2014 and EN 60079-2:2014 except in respect of those requirements

Compliance with standards EN 60079-0:2012 + A1:2013, EN 60079-1:2014 and EN 60079-2:2014 except in respect of those requirements

10. In the sign 'X' is placed after the certificate number, it indicates that the equipment or protective system 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 specific equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall conform to the requirements of the directive 94/9/EC.

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This certificate may only be reproduced in its entirety and without any change and is subject to the conditions for grant of the certificate.

Signature







SCHEDULE

EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS14ATEX18169X Issue 1

16. Revision

Issue 1: Intertek India Report Reference no. CE-JOB-DLL-16-00001-009 to 012 and Intertek India Report Reference no. G102499878 dated March 2016;

To Permit the following Changes:

1. Change of Certificate Holder from Phoenix Mecano (India) Pvt. Ltd. to Rose Systemtechnik GmbH.
2. Re-assessment of the Threaded Flameproof Terminal Box Enclosures -TBE Series to EN 60079-1 for ambient temperature: +40°C, +55°C and +75°C leading to following marking:
3. Re-assessment of the Threaded Flameproof Terminal Box Enclosures -TBE Series to EN 60079-1 for ambient temperature: +40°C, +55°C and +75°C leading to following marking:

Ex db IIC [1] Gc -[3] ≤ Ta ≤ +[4]

Ex tb IIIC [2] Dc -[3] ≤ Ta ≤ +[4] IP56

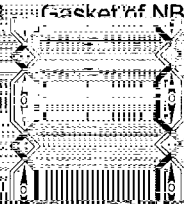
TYPE NO	Class [1]	T5	T6	T5
5	Dust Temp: Marking [2]	T80°C	T95°C	T95°C
	Max Ambient Temp [4]	+40°C	+55°C	+75°C
TR-1001	Max Watt Dissipation [6]	10W	10W	10W
		29W	29W	29W
		41W	41W	41W

4. Gasket of NRR Material removed

5. Conditions of Manufacture

A routine overpressure test in accordance with EN 60079-1 carried out by the manufacturer on each Flameproof Terminal Box Enclosure (TBE) Series to a maximum ambient temperature of 100°C. The test results showed that the enclosure is capable of withstanding an overpressure of 10.41 bar (150.95 PSI) for ambient +20°C or 10.41 bar (150.95 PSI) for ambient +75°C. The test results are recorded in the test report.

6. Changes in the drawings:



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SCHEDULE

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Title	Drawing No.:	Rev.	Date:	Sheet
TERMINAL BOX ENCLOSURE -TBE SERIES	EX.PMI.TBE.201	1	29.10.2015	1 of 8
TERMINAL BOX ENCLOSURE -TBE SERIES	EX.PMI.TBE.201	1	29.10.2015	2 of 8

TBE 100 LID (MACHINED CASTING)	EX.PMI.TBE.201	1	29.10.2015	3 of 8
TBE 100 BASE (MACHINED CASTING)	EX.PMI.TBE.201	1	29.10.2015	4 of 8
TBE 130 LID (MACHINED CASTING)	EX.PMI.TBE.201	1	29.10.2015	5 of 8
TBE 130 BASE (MACHINED CASTING)	EX.PMI.TBE.201	1	29.10.2015	6 of 8
TBE 160 LID (MACHINED CASTING)	EX.PMI.TBE.201	1	29.10.2015	7 of 8
TBE 160 BASE (MACHINED CASTING)	EX.PMI.TBE.201	1	29.10.2015	8 of 8

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