



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 09.0054 issue No.: 1

Certificate history:
Issue No. 1 (2011-9-1)
Issue No. 0 (2011-2-4)

Status: **Current**

Date of Issue: **2011-09-01** Page 1 of 4


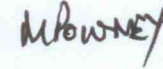
Applicant: **Rotex Manufacturers & Engineers Private Limited**
Manpada Road
Dombivli (East)
Maharashtra
421204
India

Electrical Apparatus: **A Type DNLF Rotary Limit Switch**
Optional accessory:

Type of Protection: **Flameproof**

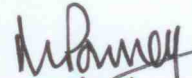
Marking: **Ex d IIC T4 (Tamb -40°C to +80°C) Gb**

Approved for issue on behalf of the IECEx
Certification Body:

 R S Sinclair 

Position: Managing Director

Signature:
(for printed version)



1/9/11

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Baseefa
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





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Manufacturer: **Rotex Manufacturers & Engineers Private Limited**
Manpada Road
Dombivli (East)
Maharashtra
421204
India

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
GB/BAS/ExTR09.0076/00

GB/BAS/ExTR11.0208/00

Quality Assessment Report:

GB/BAS/QAR10.0025/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type DNLF Rotary Limit Switch comprises a rectangular enclosure manufactured from aluminium alloy or stainless steel. The enclosure is in two halves and held together by 8 stainless steel fasteners of grade A2-70. A shaft passes through the enclosure and has cams attached to operate microswitches, proximity sensors or reed switches within the enclosure. An external visual device indicates the rotary position of the shaft. The base unit has provision for four cable entries and tapped holes for attachment to a valve etc.

The rotary limit switch is rated up to 250V a.c. 220V d.c., 15A.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

CONDITIONS OF CERTIFICATION: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

To permit the rotary limit switch to be provided with a maximum of two microswitches, proximity sensors or reed switches limited to a maximum current of 5A per switch with a subsequent change of temperature classification to T6 and a maximum ambient temperature of 55°C.

In this configuration, the rotary limit switch is rated up to 250V a.c. 220V d.c., 5A and marked:-

Ex d IIC T5 Gb (Tamb -40°C to +55°C)

or

Ex d IIC T6 Gb (Tamb -20°C to +55°C)

ExTR: GB/BAS/ExTR11.0208/00

File Reference: 11/0581