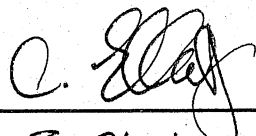




IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx SIR 07.0104	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2008-01-11	Page 1 of 4	
Applicant:	Cortem S.p.A Via Aquileia 10 Villesse Gorizia 34070 Italy		
Electrical Apparatus: <i>Optional accessory:</i>	YFC Series Limit Switch		
Type of Protection:	Flameproof and Dust		
Marking:	Ex d IIC T6 Tamb -20°C to +55°C Ex tD A21 IP66/67 T85°C		
Approved for issue on behalf of the IECEx Certification Body:	C Ellaby		
Position:	Certification Officer		
Signature: (for printed version)			
Date:	<u>2008-01-11</u>		

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:

SIRA Certification Service
 Rake Lane
 Eccleston
 Chester
 CH4 9JN
 United Kingdom

sira
 CERTIFICATION



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Manufacturer: **Cortem S.p.A**
Via Aquileia
10 Villesse
Gorizia
34070
Italy

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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/SIR/ExTR07.0139/00

Quality Assessment Report:

IT/CES/QAR06.0002/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The switch uses a cylindrical, metallic housing to contain a support sleeve that secures an internal, contact block. A threaded bush, incorporating an operating rod fixed in place by a retaining washer, is mounted at one end of the housing, this assembly forms both a threaded flamepath and a cylindrical flamepath. The operating rod is used to trigger the contact block and is activated by various operator types that are attached to the housing. The other end of the housing is fitted with a cover secured by four, M4, socket cap head screws. On one side, this cover forms a cylindrical flame path with the housing, on the other side, it provides an external, threaded spigot for connection with a suitably certified, cable gland.

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

Product code nomenclature: (a-b-c)		
a = Series type	b = Operating head type	c = Contact type
YFC	E11 - Stainless steel plain plunger E12 - Stainless steel ball plunger E13 - Stainless steel 12 dia roller plunger E21 - Stainless steel lateral plain plunger E22 - Stainless steel lateral plunger with 12 dia vertical roller E23 - Stainless steel lateral plunger with 12 dia horizontal roller E31 - 22 dia nylon roller one way lever E32 - 22 dia stainless steel roller one way lever E33 - 22 dia steel ball bearing one way lever E41 - 22 dia nylon roller lever E42 - 22 dia stainless steel roller lever E43 - 22 dia steel ball bearing roller lever E44 - 50 dia rubber roller lever E51 - Adjustable 22 dia nylon roller lever E52 - Adjustable 22 dia stainless steel roller lever E53 - Adjustable 22 dia steel ball bearing roller lever E61 - Nylon actuator with stainless steel spring E62 - Stainless steel spring actuator E71 - Adjustable 3 dia stainless steel rod lever E72 - Adjustable nylon rod lever E73 - Adjustable 3 dia fibreglass rod lever E74 - Adjustable fibreglass rod lever E75 - Adjustable 3x3 square steel rod lever E91 - Stainless steel spring multidirectional actuator E99 - Pull action with ring	Z11 - Snap action contacts 1NO+1NC X11 - Not over lapping contacts slow action 1NO+1NC Y11 - Over lapping contacts slow action 1NO+1NC W02 - Slow action contacts 2NC W20 - Slow action contacts 2NO Z02 - Snap action contacts 2NC