

Schedule

[13]

[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 04 ATEX 136983

[15]

Description of Equipment or protective system

The SLR Valve Position Monitor is build into an enclosure Polycarbonate and is provided with an intrinsically safe switch, sensor or transmitter according to the nomenclature.

Nomenclature for type SLR*abcde* - *fcc*:

Where (a): Function
(b): Feature
(c): Conduit
(d): Shaft
(e): Indicator
(f): ATEX Marking
(xx): Sensor description/ Special feature

as specified in manufactures drawing no: A190106, dated 27-4-04.

Temperature range

The relation between ambient temperature and the type marking is as follows:

Ambient temperature range	Type marking
-20 °C to +70 °C	Z
-25 °C to +70 °C	Y
-25 °C to +72 °C	W
-40 °C to +72 °C	U
-40 °C to +70 °C	T

Electrical data

Intrinsically safe specifications:

Type Z:

Volt Free Contact Switches:

U_i : 28 V
 I_i : 120 mA
 P_i : 1,3 W
 L_i : 0 mH
 C_i : 0 nF

Type Y:

Certified Proximity Sensors:

U_i : 15 V
 I_i : 20 mA
 P_i : 200 mW
 L_i : 150 μ H
 C_i : 150 nF

UL International Demko A/S

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DK-2730 Herlev, Denmark
Telephone: +45 44856565
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Certificate: 04 ATEX 136983
Report: 136983-01

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Type W:

Certified Proximity Sensors:

U_i : 16 V
 I_i : 25 mA
 P_i : 34 mW
 L_i : 550 μ H
 C_i : 150 nF

Type U:

Certified Proximity Sensors:

U_i : 16 V
 I_i : 25 mA
 P_i : 34 mW
 L_i : 550 μ H
 C_i : 150 nF

Type T:

Certified Proximity Sensors:

U_i : 15 V
 I_i : 20 mA
 P_i : 200 mW
 L_i : 150 μ H
 C_i : 150 nF

The individual types comprises components, covered by ATEX certificates as listed below:

Type Y	Type W	Type U	Type T
KEMA 02ATEX1090 X	PTB 00 ATEX 2048 X	PTB 00 ATEX 2049 X	KEMA 02ATEX1090 X
	PTB 00 ATEX 2049 X		
	PTB 99 ATEX 2219 X		
	PTB 00 ATEX 2032 X		

Type 'Z' comprises mechanical switch – Crouzet EF83161.8 Gold Plated Switch or Reed Type Proximity – Stonel Maxx-Guard 'J' Switch

Installation instructions

All cable entry devices and blanking elements shall be rated at least IP 67, suitable for the conditions of use and correctly installed.

The unit is marked with the following warning:

"The Unit contains non-conducting parts and must not be installed in locations where external conditions (such as high pressure steam) might cause a build-up of electrostatic charge. In addition, only clean unit with a damp cloth"

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Unused apertures shall be closed with suitable blanking elements.

For ambient temperatures below $-10\text{ }^{\circ}\text{C}$ and above $+60\text{ }^{\circ}\text{C}$ use field wiring suitable for both minimum and maximum ambient temperature.

- [16] Report No.
Project Report No.: 1136983-01 (Hazardous Location Testing)

Drawings:

Number	Date	Title
A160105, rev. B	14-4-04	SLR – Title plate
A160107	25-2-04	ELECTROSTATIC WARNING LABEL - ATEX
A190106, rev. C	27-4-04	SLR –Master Model Description
A160114, rev. C	10-5-04	Intrinsically Safe Information, 'Z'
A160115, rev. B	23-4-04	Intrinsically Safe Information, 'Y'
A160116, rev. B	23-4-04	Intrinsically Safe Information, 'W'
A160118, rev. C	27-4-04	Intrinsically Safe Information, 'U'
A160119	27-4-04	Intrinsically Safe Information, 'T'


- [17] Special conditions for safe use:
None

- [18] Essential Health and Safety Requirements
Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2004-05-18


Karina Christiansen
Certification Manager

UL International Demko A/S

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1 **QUALITY ASSURANCE NOTIFICATION**

2 **Equipment and protective systems intended for use in
potentially explosive atmospheres Directive 94/9/EC**

3 Notification No. SIRA 03 ATEX M284

4 Equipment, protective system or components as listed in the schedule attached to this notification.

5 Applicant **Imtex Controls Limited**
Unit 5a Valley Industries,
Hadlow Road
Tonbridge
Kent TN11 0AH

6 Manufacturer As above

7 Sira Certification Service being a Notified Body No. 0518 for Annexes IV and VII in accordance with Article 9 of Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, notifies to the applicant that the manufacturer has a quality system which complies with the requirements of Annex VII of Directive 94/9/EC.

8 This notification is based upon Sira Report No. 55A/15119 issued on 29 September 2006.
This notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annex VII:
Results of periodical re-assessment of the quality system form part of this notification.

9 This notification is valid until 24 January 2010 and can be withdrawn if the manufacturer does not satisfy the quality assurance re-assessment.

10 According to Article 10 [1] of directive 94/9/EC the CE marking shall be followed by the identification number 0518 of Sira Certification Service as the notified body involved in the production control stage.

Date of Initial Issue: 08 April 2004
Date of Current Issue: 06 February 2007
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Certification Manager

Sira Certification Service

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QUALITY ASSURANCE NOTIFICATION

SCHEDULE

Explosion protection concepts for which the manufacturer has been assessed

ia, ib	Intrinsic Safety
d	Flameproof
D	Dust Ingress Protection

Equipment categories for which the manufacturer has been assessed

Instrumentation, Measurement and Control Equipment

Certificates included within the scope of this Notification

DEMKO 03ATEX134363X

DEMKO 04ATEX136983

DEMKO 04ATEX136984

Notification No: SIRA 03 ATEX M284
Date of Initial Issue: 08 April 2004
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