



Attachment to Certificate
IECEX TUR 11.0007/01 X
Revision 01

Terminals: 315–320; 111-113

Maximum output voltage	Uo	10.08 V
Maximum output current	Io	50.7 mA
Maximum output power	Po	128 mW
Effective internal capacitance	Ci	28.9 nF
Effective internal inductance	Li	305 µH
Effective external capacitance	Co	250 nF
Effective external inductance	Lo	1 mH

1.1.2.2 Sensor modules FSLI1: Sensor input for Inductive conductivity probe type CLS50 or type CLS54

Sensor input in type of protection Ex ia IIC

Terminals: 111-113, 215-218

Maximum output voltage	Uo	10.08 V	
Maximum output current	Io	64 mA	
Maximum output power	Po	128 mW	
Effective internal capacitance	Ci	62 nF	(only internally, not effective)
Effective internal inductance	Li	305 µH	(only internally, not effective)
Effective external capacitance	Co	1.8 µF	
Effective external inductance	Lo	0.1 mH	

1.1.2.3 Sensor modules FSLC1: Sensor input for certified inductive conductivity probe type CLS**Sensor input in type of protection Ex ia IIC

Terminals: 111-113, 219-222

Maximum output voltage	Uo	10.08 V
Maximum output current	Io	23 mA
Maximum output power	Po	57 mW
Effective internal capacitance	Ci	21 nF
Effective internal inductance	Li	305 µH
Effective external capacitance	Co	50 nF
Effective external inductance	Lo	300 µH

1.1.2.4 Sensor modules FSDG1: Sensor input for suitable and intrinsically safe certified MEMOSENS devices according to IECEx BVS 11.0052X (Memosens sensors), IECEx BVS 14.0004X (CLS50D sensor), IECEx BVS 12.0007 (Memocheck Sim)

Sensor input in type of protection Ex ia IIC

Terminals: 187-188, 197-198

Maximum output voltage	Uo	5.04 V	
Maximum output current	Io	80 mA	
Maximum output power	Po	112 mW	
Effective internal capacitance	Ci	12.4 µF	(only internally, not effective)
Effective internal inductance	Li	160.4 µH	(only internally, not effective)

1.2 Thermal ratings

Ambient temperature range

For temperature class T6 $-20\text{ °C} \leq T_a \leq +50\text{ °C}$

For temperature class T4 $-20\text{ °C} \leq T_a \leq +55\text{ °C}$



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 TUR 11.0007X issue No.:2
Status: **Current**
Date of Issue: 2014-10-02 Page 1 of 4

Certificate history:
Issue No. 2 (2014-10-2)
Issue No. 1 (2014-2-6)
Issue No. 0 (2011-6-30)

Applicant: **Endress + Hauser Conducta Gesellschaft für Mess- und Regeltechnik GmbH & Co. KG**
Dieselstraße 24
70839 Gerlingen
Germany

Electrical Apparatus: **Transmitter Liquiline M type CM42 - *I* ** * *******
Optional accessory:

Type of Protection: **Intrinsic Safety - Ex i**

Marking: **Ex ib [ja Ga] IIC T6/T4 Gb**

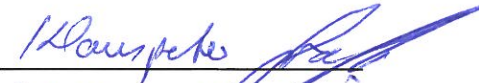
*Approved for issue on behalf of the IECEx
Certification Body:*

Dipl.-Ing. Klauspeter Graffi

Position:

Head of Certification Body

*Signature:
(for printed version)*


2014-10-02

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](http://www.iecex.com).

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

