



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx KEM 10.0090X**

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Certificate history:

Issue 6 (2014-07-18)
Issue 5 (2013-09-27)
Issue 4 (2013-05-21)
Issue 3 (2012-07-05)
Issue 2 (2011-07-22)
Issue 1 (2011-05-31)
Issue 0 (2010-12-29)

Status: **Current**

Issue No: 7

Date of Issue: 2022-05-20

Applicant: **Weidmüller Interface GmbH**
Klingenbergsstrasse 16
32758 Detmold
Germany

Equipment: **Isolators and Converters of system ACT20M**

Optional accessory:

Type of Protection: **Ex ec**

Marking: Ex ec IIC T4 Gc

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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Netherlands





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Manufacturer: **Weidmueller Interface GMBH & Co KG**
Klingenbergsstraße 26
Detmold D-32758
Germany

Manufacturing locations: **Weidmueller Interface GMBH & Co KG** **Weidmuller GmbH & Co. KG**
Klingenbergstrasse 16
D-32758 Detmold
Germany

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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:

[NL/KEM/ExTR10.0096/07](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Isolators and Converters of system ACT20M Type 117 ... for conversion and galvanic isolation of analogue signals.

For type code, ambient temperature range and temperature class of the modules, see Annex 1 to NL/KEM/ExTR10.0096/07.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

The equipment shall be installed in a suitable enclosure that provides a degree of protection of at least IP54 in accordance with IEC 60079-0.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Evaluation according to:

IEC 60079-0 (Ed.7.0) (2017)

IEC 60079-7 (Ed.5.1) (2017)

Annex:

[226313300-Annex1.pdf](#)

Table 1

Description	Type No.	Temp. Class	Ambient Range	Supply Power/Current	Supply Volt.
Analog Signal Conv. I ACT20M-CI-CO-S	1175980000	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Analog Signal Conv. I-U ACT20M-AI-AO-S	1176000000	T4	-25... +70°C	1.2 Watt	16.8 ... 31.2 V
Analog Signal Conv. Bipolar I-Splitter ACT20M-CI-2CO-S	1175990000	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Analog Signal Conv. I-U Splitter ACT20M-AI-2AO-Sr	1176020000	T4	-25... +70°C	1.2 Watt	16.8 ... 31.2 V
Analog Signal Conv. Universal ACT20M-UI-AO-S	1176030000	T4	-25... +70°C	1.2 Watt	16.8 ... 31.2 V
Feed In Module ACT20-FEED-IN-BASIC-S	1282490000	T4	-25... +70°C	2.5 A	16.8 ... 31.2 V
Analog Signal Conv. ILP 1CH ACT20M-CI-CO-ILP-S	1176070000	T4	-25... +70°C	20 mA	-
Analog Signal Conv. ILP 2CH ACT20M-2CI-2CO-ILP-S	1176080000	T4	-25... +70°C	2x20 mA	-
Analog Signal Conv. OLP 1CH ACT20M-CI-CO-OLP-S	1176040000	T4	-25... +70°C	20 mA	35
Analog Signal Conv. OLP 2CH ACT20M-2CI-2CO-OLP-S	1176050000	T4	-25... +70°C	2x20 mA	35
Analog Signal Converter Bipolar ACT20M-BAI-AO-S	1375450000	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Analog Signal Conv. Bipolar Splitter ACT20M-BAI-2AO-S	1375470000	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Analog Signal Conv. I ACT20M-TCI-AO-E-S	1375500000	T4	-25... +70°C	0.7 Watt	16.8 ... 31.2 V
Analog Temperature Transducer ACT20M-RTI-AO-E-S	1375520000	T4	-25... +70°C	0.7 Watt	16.8 ... 31.2 V
Analog Temperature Transducer ACT20M-TCI-AO-S	1375480000	T4	-25... +70°C	0.7 Watt	16.8 ... 31.2 V
Analog Temperature Transducer ACT20M-RTI-AO-S	1375510000	T4	-25... +70°C	0.7 Watt	16.8 ... 31.2 V
Analog Temperature Transducer ACT20M-RTCI-CO-OLP-S	1435590000	T4	-25... +70°C	8-35V / 20 mA	-
Analog Temperature Transducer ACT20M-RTI-CO-EOLP-S	1435610000	T4	-25... +70°C	8-35V / 20 mA	-