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 BVS 16.0057X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2016-09-07)
Date of Issue:	2022-05-03		
Applicant:	**UWT GmbH** Westendstraße 5 87488 Betzigau **Germany**		
Equipment:	**Level limit switch type Mononivo MN40*0***		
Optional accessory:			
Type of Protection:	**Protection by Enclosure "t", Separation Elements or combined Levels of Protection**		
Marking:	Ex ta/tb IIIC T*C Da/Db * see thermal data		

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

Position: **Deputy Head of Certification Body**

Signature: (for printed version)

Date: (for printed version) 03.05.2022

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 www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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Date of issue: 2022-05-03 Issue No: 1

Manufacturer: **UWT GmbH**
Westendstraße 5
87488 Betzigau
Germany

Manufacturing locations: **UWT GmbH**
Westendstraße 5
87488 Betzigau
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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-26:2021-02 Edition:4.0	Explosive atmospheres - Part 26: Equipment with Separation Elements or combined Levels of Protection
IEC 60079-31:2022-01 Edition:3.0	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

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:

DE/BVS/ExTR16.0056/01

Quality Assessment Report:

DE/BVS/QAR11.0007/08

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Subject and Type

Level limit switch type Mononivo
MN 4020* - short extension length
MN 4030* - pipe extension
MN 4040* - pipe extension screwed
* This asterisks represents further type variants which are documented in drawing 004-01ATEX

Description

The level limit switch type Mononivo MN 40*0 is a modular concept of level limit switches. It is designed for monitoring the levels in any kind of containers, bins, silos, funnels and pipes.
The level limit switch is able to detect many kinds of bulk materials which are grainy, powdery or muddy.
In general the design of the units can vary in:

- the type of housing
- the cable inlets
- the electronics
- the form of the sensor extension
- the form of the process connection (for example different threaded bushes and flanges)
- the materials for the process connection and the sensor extension
- different options.

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:
The apparatus shall be installed in a way that danger caused by electrostatic charges is avoided.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updating to the current standards
- A special condition for safe (electrostatics) use is added and due to that an X-marking is given.

Annex:

BVS_16_0057X_UWT_Annex_issue1.pdf

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Certificate No.: **IECEx BVS 16.0057X issue No: 1**
Annex

Parameters

Electrical data

Supply	universal voltage relay (DPDT)	21 up to 230 V +/-10 %*, 50 up to 60 Hz, 22 VA or 22 up to 45 V +/-10 %* DC, 2 W
or	3 wire PNP	20 up to 40 V +/-10 %* DC 0.5 A (input current) * including +/-10 % of EN 61010.
Signal output	relay (DPDT)	max. 250 V AC, 8 A, non-inductive max. 30 V DC, 5 A, non-inductive
or	3 wire PNP	transistor, max. 0.4 A

Thermal data

Permitted ambient temperature at the electronic enclosure (EPL Db)	Permitted process temperature (EPL Da)	Max. surface temperature (EPL Da)	Max. surface temperature (EPL Db) *
- 40 °C … + 60 °C	-40 °C…120 °C	T_{200}120 °C	120 °C
	-40 °C…130 °C	T_{200}130 °C	130 °C
	-40 °C…140 °C	T_{200}140 °C	140 °C
	-40 °C…150 °C	T_{200}150 °C	150 °C

* At the process connection

Max. surface temperature of the electronic enclosure with thermo fuse limited to 120 °C

Permitted temperature at sensor extension, process connection -40 °C .. +150 °C

Degree of protection according to IEC 60529 IP6x