

US Declaration of Conformity



Hereby we,

Name of manufacturer: TWTG R&D BV
Address: Schaardijk 386
Zip code & City: 2909 LA, Capelle a/d IJssel
Country: The Netherlands
Phone Number: +31 (0)10 203 79 05

declare that this DoC is issued under our sole responsibility and that the following products:

1. DS-TT-02-XX - Temperature Transmitter, intended to monitor the temperature in industrial environments and send it over LoRaWAN wireless protocol
2. DS-RT-02-XX - Ratiometric Transmitter, intended to measure ratiometric signal from a range of sensors, and send it over LoraWAN wireless protocol
3. DS-LD-02-XX - Low Voltage Differential Transmitter, intended to communicate with external sensors, and send their data over LoRaWAN wireless protocol
4. DS-VB-02-XX - Vibration Sensor, intended to be connected to DS-LD-02-DD to monitor vibration of industrial equipment and send it over LoRaWAN wireless protocol
5. DS-PG-02-XX - Pressure sensor assembly within pressure gauge, intended to be connected to DS-RT-02-DD

Type Designation:

- DS-BB-CC-DD

Trademark: TWTG R&D BV

Serial number: "BBCDDYYZZXXXXX"

Nomenclature:

- BB = Product variant e.g. TT, RT, LD, VB or PG
- CC = Major Revision
- DD = Region, e.g. 00 for Global
- YY = Year of manufacture, e.g. 20 for 2022
- ZZZXXXX = Individual Identifier e.g. "AA00001":
 - ZZ = Production Batch ID
 - XXXXX = Individual Identifier

This product is covered by the following FM classification:

- IS Cl I, DIV 1, Group ABCD T4
- Zone 0, AEx/Ex ia IIC T4 Ga
- $-40^{\circ}\text{C} < T_a < +70^{\circ}\text{C}$ (for DS-LD-02-xx, DS-TT-02-xx)
- $-40^{\circ}\text{C} < T_a < +80^{\circ}\text{C}$ (for DS-VB-02-xx)

is in conformity with the relevant Union harmonization legislation:

1. US FM Approval standards and other documents:
 - (a) FM Class 3600:2022
 - (b) FM Class 3610:2021
 - (c) FM Class 3810:2021
 - (d) ANSI/UL 60079-0:2020
 - (e) ANSI/UL 60079-11:2014
2. Canadian FM Approval standards and other documents:
 - (a) CAN/CSA-C22.2 No. 60079-0:2019
 - (b) CAN/CSA-C22.2 No. 6007911:2014
 - (c) CAN/CSA-C22.2 No. 61010-1:2012
3. Radio Equipment Directive
 - (a) FCC CFR 47, Part 15, Subpart C
 - (b) FCC CFR 47, Part 15, Subpart B
 - (c) USA FCC Part 15.209, 15.247, 15.205 RSS-247, RSS-Gen
4. WEEE Directive 2012/19/EU
5. RoHS (2011/65/EU)
6. REACH

Notified Body FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA, performed US and Canadian-type examinations according to FM Approvals US Certification Requirements, and Canadian Certification Scheme, issuing certificate number(s):

- FM22US0061X
- FM22CA0043X

The Notified Body, Telefication B.V. with Notified Body number 0560, granted authorization of equipment, issuing certificate number(s):

- 2ATYF-DS02

Name: N. Herrwerth
Function: CEO
Document Name: 7052_N02-09_DoC_US_A4
Effective date of this document: 02-01-2023
Signature: