

Certificate Holder: ifm electronic gmbh  
Friedrichstraße 1,  
45128, Essen  
Germany

Product Manufacturer: See Certificate Holder

Product Designation: R2D200 (TR25), R2D210 (TR25), R2D201 (TR25)

Product Description: Area Radar



Bundesnetzagentur

BNetzA-bS-02/51-52

authorized by the German  
Government to act as Notified  
Body in accordance with the  
RE Directive 2014/53/EU of  
16 April 2014.

**Conformity Assessment:**

| Essential requirements             | Examined documentation                           | Result  |
|------------------------------------|--------------------------------------------------|---------|
| Safety<br>RED, Article 3.1a        | Technical documentation including test report(s) | conform |
| Health<br>RED, Article 3.1a        | Technical documentation including test report(s) | conform |
| EMC<br>RED, Article 3.1b           | Technical documentation including test report(s) | conform |
| Radio spectrum<br>RED, Article 3.2 | Technical documentation including test report(s) | conform |

**EU Type Examination Certificate:**

In accordance with Annex III of the European Council Directive 2014/53/EU on radio equipment, we state that the identified equipment type complies with the essential requirements stated above. The scope of this evaluation relates to the submitted documents only.

**Marking:**

The product shall be marked with the CE marking as required in the Council Directive 2014/53/EU.

**Annexes:**

The certificate is only valid in conjunction with the following number of annexes: 1

**Validity:**

The validity of this certificate is limited to 5 years after the date of issue. Revisions of the applied standards and/or modifications of the approved type that may affect the conformity of the radio equipment with the essential requirements of Directive 2014/53/EU may also have an impact on the validity of this certificate.

Certificate Registration No.:

**CE 0682**

EU23-0120-02-TEC

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## Product Characteristics:

|                            |                                                                                             |             |          |
|----------------------------|---------------------------------------------------------------------------------------------|-------------|----------|
| Hardware version:          | M04235AC (R2D200), M04243AB (R2D210), M04236AA (R2D201)                                     |             |          |
| Software version:          | Frontend: V1.020 (all variants), Backend: V1.2.4 (R2D200), V1.2.8 (R2D210), V1.0.2 (R2D201) |             |          |
| 77 GHz radar:              |                                                                                             |             |          |
| Operating frequency range: | 77.0 GHz – 81.0 GHz                                                                         | EIRP:       | ≤ 30 dBm |
|                            |                                                                                             | Modulation: | FMCW     |
| Other characteristics:     |                                                                                             |             |          |
| Operating temperature:     | -40 – 85 °C                                                                                 |             |          |
| Power supply:              | 10 – 30 VDC                                                                                 |             |          |

## Conformity Assessment:

| Essential requirements | Examined documentation                                                                                                                             |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | IEC 61010-2-201:2017                                                                                                                               |
| Safety                 | -CB certificate with number DK-145564-UL issued by UL Solutions (Demko)<br>-No.: E205959-D1011-1/A0/C0-CB issued by UL International Italia S.r.l. |
|                        | EN IEC 62311:2020                                                                                                                                  |
| Health                 | -No.: 1-3182/21-01-04 MPE (EC) issued by cetecom advanced GmbH                                                                                     |
|                        | EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2, EN 301 489-51 V2.1.1                                                                                     |
| EMC                    | -No.: 1-3182/21-01-14 issued by cetecom advanced GmbH<br>-No.: 1-3182/21-02-02-A issued by cetecom advanced GmbH                                   |
|                        | EN 302 264 V2.1.1                                                                                                                                  |
| Radio spectrum         | -No.: 1-3182/21-01-02-A issued by cetecom advanced GmbH                                                                                            |