

| Product-type designation                                                                                                                                                                                                                                                                                |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|                                                                                                                                                                                                                        |                                                                             |
| <b>RF625T transponder</b><br><br>SIMATIC RF625T DISK-TAG;<br>30X8 MM (DXH);<br>ON METAL TRANSPONDER ISO 18000-6C,<br>EPC CLASS 1 GEN 2 FREQUENCY 865 UP TO 868 MHZ<br>(ETSI) CHIP TYPE,<br>IMPINJI MONZA 4QT EPC 128 BIT 64 BYTE ADD-ON<br>MEMORY -25 UP TO +85 DGR/C;<br>MINIMAL ORDER QUANTITY 10 PCS |                                                                             |
| Suitability for installation                                                                                                                                                                                                                                                                            | RF600                                                                       |
| Wireless frequencies                                                                                                                                                                                                                                                                                    |                                                                             |
| Operating frequency                                                                                                                                                                                                                                                                                     | 865 ... 868 MHz                                                             |
| Electrical data                                                                                                                                                                                                                                                                                         |                                                                             |
| Range                                                                                                                                                                                                                                                                                                   |                                                                             |
| • maximum                                                                                                                                                                                                                                                                                               | 1.5 m                                                                       |
| Protocol / for radio transmission                                                                                                                                                                                                                                                                       | EPCglobal Class 1 Gen 2 / ISO 18000-6C                                      |
| Transfer rate / with radio transmission / maximum                                                                                                                                                                                                                                                       | 320 kbit/s                                                                  |
| Product property / multitag-capable                                                                                                                                                                                                                                                                     | Yes                                                                         |
| Polarization                                                                                                                                                                                                                                                                                            | Linear                                                                      |
| Product component / Buffer battery                                                                                                                                                                                                                                                                      | No                                                                          |
| Memory                                                                                                                                                                                                                                                                                                  |                                                                             |
| Type of memory                                                                                                                                                                                                                                                                                          | EEPROM                                                                      |
| Memory capacity / of user memory                                                                                                                                                                                                                                                                        | 64 byte                                                                     |
| Type of memory organization                                                                                                                                                                                                                                                                             | EPC memory 96/128 bits, user memory 64 bytes (512 bits), TID memory 4 bytes |
| Number of read cycles / at ambient temperature < 40 °C / maximum                                                                                                                                                                                                                                        | 100000000000000                                                             |
| Number of write cycles / at ambient temperature < 40 °C / maximum                                                                                                                                                                                                                                       | 100000                                                                      |
| Data retention time / at ambient temperature < 40°C / at least                                                                                                                                                                                                                                          | 10 a                                                                        |
| Mechanical data                                                                                                                                                                                                                                                                                         |                                                                             |

|                                                                   |                                          |
|-------------------------------------------------------------------|------------------------------------------|
| Material                                                          | PA6.6                                    |
| Color                                                             | black                                    |
| Tightening torque / of screw for mounting the equipment / maximum | 1 N·m                                    |
| Mounting distance / for metal surfaces / recommended / minimum    | 0 mm                                     |
| <b>Permitted ambient conditions</b>                               |                                          |
| Ambient temperature                                               |                                          |
| • during read/write access                                        | -25 ... +85 °C                           |
| • outside the read/write area                                     | -40 ... +125 °C                          |
| • during storage                                                  | -40 +125 °C                              |
| Protection class IP                                               | IP68                                     |
| Resistance against shock                                          | According to DIN EN 60721-3-7 Class 7 M3 |
| Resistance against shock                                          | 1000 m/s <sup>2</sup>                    |
| Resistance against vibration                                      | 500 m/s <sup>2</sup>                     |
| <b>Design, dimensions and weight</b>                              |                                          |
| Height                                                            | 8 mm                                     |
| Diameter                                                          | 30 mm                                    |
| <b>Product properties, functions, components / general</b>        |                                          |
| Product property / printable                                      | No                                       |
| <b>Standards, specifications, approvals</b>                       |                                          |
| MTBF                                                              | 1141 a                                   |
| <b>letzte Änderung:</b>                                           | Jul 21, 2014                             |