

Extended Temperature Range

Transponder ATEX DISC TAG

PART ID:

3001-05-152-00

The ATEX Zone 1 / 21 certified 34 mm ON METAL RFID TAG with Extended Temperature Range is a general purpose product and useful in multiple industrial applications to optimize object identification in asset management, machine marking, mobile maintenance and service and all kind of logistics applications where higher storage temperatures up to 100°C are needed. The robust housing in combination with the 4.5 mm mounting hole provides the mounting in hazardous area and perfectly in and on metal environment.

Main Specifications

| | |
|-----------------------|---|
| Material | Polyamid |
| Operating Temperature | -40°C to 85°C |
| IP Class | IP68 |
| Compliance | RoHs & Reach, CE |
| Key Features | Rough Environment, Heat Tolerant, ON-Metal Use, High Durability |
| Options | Adhesive, Laser Engraving, Logo, Other Chips On Request |



Chip Specification (Chip 152)

| | |
|-----------|-----------------------------|
| Chip | EM Marin - EM4200/Unique |
| Frequency | 125 kHz (LF) |
| Memory | UID 64 Bit; Read only |
| Norm | ISO/IEC 11784/85 Compatible |

Full Specifications

| | |
|------------------|---|
| Product ID | 3001 |
| Name | Extended Temperature Range |
| Atex | yes |
| On Metal Use | yes |
| Material | Polyamid |
| Shape | Overmolded |
| Long Description | The ATEX Zone 1 / 21 certified 34 mm ON METAL RFID TAG with Extended Temperature Range is a |

©TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

| | |
|-------------------------|---|
| | general purpose product and useful in multiple industrial applications to optimize object identification in asset management, machine marking, mobile maintenance and service and all kind of logistics applications where higher storage temperatures up to 100°C are needed. The robust housing in combination with the 4.5 mm mounting hole provides the mounting in hazardous area and perfectly in and on metal environment. |
| Key Features | Rough Environment, Heat Tolerant, ON-Metal Use, High Durability |
| Options | Adhesive, Laser Engraving, Logo, Other Chips On Request |
| Comments | Hole 4.5 mm, Other Color on Request |
| Article Type | DISC TAG |
| Diameter [mm] | 34 |
| Thickness [mm] | 6 |
| Weight [g] | 7 |
| Hole | yes |
| Operating Temp °C (min) | -40 |
| Operating Temp °C (max) | 85 |
| Storage Temp °C (min) | -40 |
| Storage Temp °C (max) | 100 |
| IP Class | IP68 |
| Chemical Resistance | Not Specified |
| Flame Resistance | Not Specified |
| Mechanical Resistance | Not Specified |
| Attachment Method | Screw/Rivet |
| Compliance | RoHs & Reach, CE |

VARIANTS AND ICS

| ID | Variant | Band | Type | ISO |
|----------------|--------------|------|---------------|-----------------------------|
| 3001-01-152-00 | D34mm,yellow | LF | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3001-01-260-00 | D34mm,yellow | HF | ICODE SLIX | ISO/IEC 15693 & 18000-3 |
| 3001-01-263-00 | D34mm,yellow | HF | NTAG213 | ISO/IEC 14443A & 18000-3 |
| 3001-01-266-00 | D34mm,yellow | HF | NTAG216 | ISO/IEC 14443A & 18000-3 |
| 3001-01-349-00 | D34mm,yellow | UHF | Higgs 3 | ISO 18000-6C / EPC Gen2 V2 |
| 3001-02-152-00 | D34mm,black | LF | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3001-02-260-00 | D34mm,black | HF | ICODE SLIX | ISO/IEC 15693 & 18000-3 |
| 3001-02-263-00 | D34mm,black | HF | NTAG213 | ISO/IEC 14443A & 18000-3 |
| 3001-02-266-00 | D34mm,black | HF | NTAG216 | ISO/IEC 14443A & 18000-3 |
| 3001-02-349-00 | D34mm,black | UHF | Higgs 3 | ISO 18000-6C / EPC Gen2 V2 |
| 3001-03-152-00 | D34mm,blue | LF | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3001-03-260-00 | D34mm,blue | HF | ICODE SLIX | ISO/IEC 15693 & 18000-3 |
| 3001-03-263-00 | D34mm,blue | HF | NTAG213 | ISO/IEC 14443A & 18000-3 |
| 3001-03-266-00 | D34mm,blue | HF | NTAG216 | ISO/IEC 14443A & 18000-3 |
| 3001-03-349-00 | D34mm,blue | UHF | Higgs 3 | ISO 18000-6C / EPC Gen2 V2 |
| 3001-04-152-00 | D34mm,green | LF | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3001-04-260-00 | D34mm,green | HF | ICODE SLIX | ISO/IEC 15693 & 18000-3 |
| 3001-04-263-00 | D34mm,green | HF | NTAG213 | ISO/IEC 14443A & 18000-3 |
| 3001-04-266-00 | D34mm,green | HF | NTAG216 | ISO/IEC 14443A & 18000-3 |
| 3001-04-349-00 | D34mm,green | UHF | Higgs 3 | ISO 18000-6C / EPC Gen2 V2 |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.

Where application information is given, it is only advisory and does not form part of the specification.

| ID | Variant | Band | Type | ISO |
|----------------|-----------|------|---------------|-----------------------------|
| 3001-05-152-00 | D34mm,red | LF | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3001-05-260-00 | D34mm,red | HF | ICODE SLIX | ISO/IEC 15693 & 18000-3 |
| 3001-05-263-00 | D34mm,red | HF | NTAG213 | ISO/IEC 14443A & 18000-3 |
| 3001-05-266-00 | D34mm,red | HF | NTAG216 | ISO/IEC 14443A & 18000-3 |
| 3001-05-349-00 | D34mm,red | UHF | Higgs 3 | ISO 18000-6C / EPC Gen2 V2 |