

# Extended Temperature Range

## Transponder ATEX DISC TAG

### PART ID:

## 3001-03-264-00

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 264)

|           |                           |
|-----------|---------------------------|
| Chip      | NXP - ICODE SLIX 2        |
| Frequency | 13.56 MHz ( HF )          |
| Memory    | UID 8 Byte; User 2528 Bit |
| Norm      | ISO/IEC 15693 & 18000-3   |

### 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 |

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|                         |   |
|-------------------------|---|
|                         | 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 |
| 3001-01-263-00 | D34mm,yellow | HF   | NTAG213       | ISO/IEC 14443A & 18000-3    |
| 3001-01-266-00 | D34mm,yellow | HF   | NTAG216       | ISO/IEC 14443A & 18000-3    |
| 3001-01-362-00 | D34mm,yellow | UHF  | Monza 4QT     | ISO 18000-6C / EPC Gen2 V2  |
| 3001-01-264-00 | D34mm,yellow | HF   | ICODE SLIX 2  | ISO/IEC 15693 & 18000-3     |
| 3001-02-152-00 | D34mm,black  | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 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    |
| 3001-02-362-00 | D34mm,black  | UHF  | Monza 4QT     | ISO 18000-6C / EPC Gen2 V2  |
| 3001-02-264-00 | D34mm,black  | HF   | ICODE SLIX 2  | ISO/IEC 15693 & 18000-3     |
| 3001-03-152-00 | D34mm,blue   | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 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    |
| 3001-03-362-00 | D34mm,blue   | UHF  | Monza 4QT     | ISO 18000-6C / EPC Gen2 V2  |
| 3001-03-264-00 | D34mm,blue   | HF   | ICODE SLIX 2  | ISO/IEC 15693 & 18000-3     |
| 3001-04-152-00 | D34mm,green  | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 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    |
| 3001-04-362-00 | D34mm,green  | UHF  | Monza 4QT     | ISO 18000-6C / EPC Gen2 V2  |
| 3001-04-264-00 | D34mm,green  | HF   | ICODE SLIX 2  | ISO/IEC 15693 & 18000-3     |

| ID             | Variant   | Band | Type          | ISO                         |
|----------------|-----------|------|---------------|-----------------------------|
| 3001-05-152-00 | D34mm,red | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 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    |
| 3001-05-362-00 | D34mm,red | UHF  | Monza 4QT     | ISO 18000-6C / EPC Gen2 V2  |
| 3001-05-264-00 | D34mm,red | HF   | ICODE SLIX 2  | ISO/IEC 15693 & 18000-3     |