

# Transponder ATEX

## Special Form

PART ID:  
**3023-04-152-00**

ATEX Zone 1 / 21 certified CABLE TIE RFID TAG 30mm LF or HF / NFC or UHF

### Main Specifications

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Material              | Polyamid + Nylon                                            |
| Operating Temperature | -25°C to 60°C                                               |
| IP Class              | IP68                                                        |
| Compliance            | RoHs & Reach, CE                                            |
| Key Features          | Rough Environment, ON-Metal Use, Versatile, High Durability |
| Options               | 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        | 3023                                                                                                                                                                                                                                                                                                                                                                                                   |
| Atex              | yes                                                                                                                                                                                                                                                                                                                                                                                                    |
| On Metal Use      | yes                                                                                                                                                                                                                                                                                                                                                                                                    |
| Material          | Polyamid + Nylon                                                                                                                                                                                                                                                                                                                                                                                       |
| Shape             | Overmolded                                                                                                                                                                                                                                                                                                                                                                                             |
| Short Description | ATEX Zone 1 / 21 certified CABLE TIE RFID TAG 30mm LF or HF / NFC or UHF                                                                                                                                                                                                                                                                                                                               |
| Long Description  | The ATEX Zone 1 / 21 certified CABLE TIE RFID TAG 30mm LF or HF / NFC or UHF is available as LF, HF, NFC or UHF version and is used by system integrators and industrial end users in hazardous area to identify devices, machines and equipment by easy mounting method. The ATEX Zone 1 / 21 certified CABLE TIE RFID TAG 30mm LF or HF / NFC or UHF can be used in metal and non metal environment. |
| Key Features      | Rough Environment, ON-Metal Use, Versatile, High Durability                                                                                                                                                                                                                                                                                                                                            |
| Options           | Other Chips On Request                                                                                                                                                                                                                                                                                                                                                                                 |
| Article Type      | Special Form                                                                                                                                                                                                                                                                                                                                                                                           |
| Length [mm]       | 80                                                                                                                                                                                                                                                                                                                                                                                                     |
| Width [mm]        | 30                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                         |                  |
|-------------------------|------------------|
| Thickness [mm]          | 7                |
| Hole                    | yes              |
| Operating Temp °C (min) | -25              |
| Operating Temp °C (max) | 60               |
| Storage Temp °C (min)   | -40              |
| Storage Temp °C (max)   | 60               |
| IP Class                | IP68             |
| Chemical Resistance     | Not Specified    |
| Flame Resistance        | Not Specified    |
| Mechanical Resistance   | Not Specified    |
| Attachment Method       | Cable tie        |
| Compliance              | RoHs & Reach, CE |

## VARIANTS AND ICS

| ID             | Variant | Band | Type          | ISO                         |
|----------------|---------|------|---------------|-----------------------------|
| 3023-01-152-00 | Black   | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3023-01-260-00 | Black   | HF   | ICODE SLIX    | ISO/IEC 15693 & 18000-3     |
| 3023-02-152-00 | Blue    | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3023-02-260-00 | Blue    | HF   | ICODE SLIX    | ISO/IEC 15693 & 18000-3     |
| 3023-03-152-00 | Green   | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3023-03-260-00 | Green   | HF   | ICODE SLIX    | ISO/IEC 15693 & 18000-3     |
| 3023-04-152-00 | Orange  | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3023-04-260-00 | Orange  | HF   | ICODE SLIX    | ISO/IEC 15693 & 18000-3     |
| 3023-05-152-00 | Red     | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3023-05-260-00 | Red     | HF   | ICODE SLIX    | ISO/IEC 15693 & 18000-3     |
| 3023-06-152-00 | Yellow  | LF   | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 3023-06-260-00 | Yellow  | HF   | ICODE SLIX    | ISO/IEC 15693 & 18000-3     |