



|                     |               |                            |                       |                 |
|---------------------|---------------|----------------------------|-----------------------|-----------------|
| <b>S1 U</b>         | <b>UHF</b>    | <b>Global 840-960 MHz</b>  | <b>60x25x6</b>        | <b>Pendant</b>  |
| <i>Product Code</i> | <i>Usable</i> | <i>Frequency - ISO/IEC</i> | <i>Dimensions mm.</i> | <i>Mounting</i> |
|                     | OFF Metal     | 18000-6C EPC Class 1 Gen2  |                       |                 |

UHF Rugged Tag PENDANT, made of very resistant rigid plastic, available in different versions, OFF Metal use.

**Typical Applications:** Industrial assets in harsh environments, outdoor applications

**Services Available:** Pre-encoding chip - Custom layout of printing including logo, text, numbers, QR code, barcode ecc. different color for MOQ, special packaging

**Available IC/Chip:** Ucode-8, Monza 6/P



## Versioni prodotto disponibili

|                    |   |
|--------------------|---|
| <b>S1 U-01R_U8</b> | UHF Tag made of ABS + PU resin, very resistant for general uses, storage temperature -40 ° / + 80 °C              |
| <b>S1 U-02R_U8</b> | UHF Tag made of ASA + PU resin, very resistant to UV rays, storage temperature -40 ° / + 80 °C                    |
| <b>S1 U-03R_U8</b> | UHF Tag made of Nylof GF + PU resin, very resistant to shocks and chemicals, storage temperature -40 ° / + 120 °C |

## Available versions and technical features

| Product Code:          | S1 U-01R_U8          | S1 U-02R_U8          | S1 U-03R_U8         |  |  |
|------------------------|----------------------|----------------------|---------------------|--|--|
| Frequency              | Global 840-960 MHz   | Global 840-960 MHz   | Global 840-960 MHz  |  |  |
| ISO Protocol           | 18000-6C Gen2        | 18000-6C Gen2        | 18000-6C Gen2       |  |  |
| IC/Chip                | Ucode-8              | Ucode-8              | Ucode-8             |  |  |
| EPC                    | 128 bits             | 128 bits             | 128 bits            |  |  |
| User Memory            | 0 bits               | 0 bits               | 0 bits              |  |  |
| Reading Distance (1)   | Up to 2,0 mt         | Up to 2,0 mt         | Up to 2,0 mt        |  |  |
| Opzionale Chip:        | Ucode-8, Monza 6/P   |                      |                     |  |  |
| Product certifications | RoHS compliant       |                      |                     |  |  |
| Housing Material       | ABS + PU resin       | ASA + PU Resin       | Nylon GF + PU Resin |  |  |
| Weight grams           | 8,0                  | 8,0                  | 8,0                 |  |  |
| Standard Colors        | RAL 7016 Medium Grey | RAL 5002 Medium Blue | RAL 7035 Light Grey |  |  |
| IP Class Protection    | IP68                 | IP68                 | IP68                |  |  |
| Operating Temp. C°(2)  | -40/+85 °C           | -40/+85 °C           | -40/+85 °C          |  |  |
| Storage Temp. C° (3)   | -40/+80 C°           | -40/+80 C°           | -40/+110 C°         |  |  |
| Chemical resistance    | <b>A</b>             | <b>B</b>             | <b>C</b>            |  |  |

(1) With reader 2W ERP - (2) Continuous use - (3) For a short time

| Category | Chemical resistance of housing  |
|----------|---|
| <b>A</b> | RESISTANT: Water, salt, UV rays (not prolonged), acids (conc. <10%: hydrochloric, sulfuric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), mineral oils.  |
| <b>B</b> | RESISTANT: Water, salt, UV rays (even prolonged), acids (conc. <10%: hydrochloric, sulfuric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), mineral oils. |
| <b>C</b> | RESISTANT: Water, salt, UV rays (not prolonged), acids (conc. <10%: citric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), hydrocarbons, mineral oils.    |
| <b>D</b> | RESISTANT: Water, salt, UV rays (not prolonged), acids (conc. <10%: citric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), hydrocarbons, mineral oils.    |

To check the chemical resistance of the polymers in your process, we recommend that you always carry out a preliminary test with several samples. Download from our website the document "CHEMICAL RESISTANCE OF POLYMERS" or contact our offices for more information.