



|                     |               |                            |                       |                      |
|---------------------|---------------|----------------------------|-----------------------|----------------------|
| <b>S2 N</b>         | <b>NFC/HF</b> | <b>13,56 MHz</b>           | <b>65x25x6</b>        | <b>Screws/Rivets</b> |
| <i>Product Code</i> | <i>Usable</i> | <i>Frequency - ISO/IEC</i> | <i>Dimensions mm.</i> | <i>Mounting</i>      |
|                     | ON/OFF Metal  | 14443 / 15693              |                       |                      |

Rugged Tag 13.56 MHz can be fixed with screws / rivets, made of very resistant rigid plastic, available in different versions, Use ON / OFF Metal.

**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 etc., special packaging

**Available IC/Chip:** Ntag 213, Ntag 216, ICode SLIX, ICode SLIX\_2, Mifare Ultralight EV1, Mifare Classic EV1-1K



*Versioni prodotto disponibili*

|                     |   |
|---------------------|---|
| <b>S2 N-01R_N13</b> | 13,56 MHz Tag made of ABS + PU resin, very resistant for general uses, storage temperature -40 ° / + 80 °C              |
| <b>S2 N-02R_N13</b> | 13,56 MHz Tag made of ASA + PU resin, very resistant to UV rays, storage temperature -40 ° / + 80 °C                    |
| <b>S2 N-03R_N13</b> | 13,56 MHz Tag made of Nylof GF + PU resin, very resistant to shocks and chemicals, storage temperature -40 ° / + 120 °C |
| <b>S2 H-01R_SX</b>  | 13,56 MHz Tag made of ABS + PU resin, very resistant for general uses, storage temperature -40 ° / + 80 °C              |

*Available versions and technical features*

| Product Code:          | S2 N-01R_N13         | S2 N-02R_N13         | S2 N-03R_N13         | S2 H-01R_SX                |  |
|------------------------|----------------------|----------------------|----------------------|----------------------------|--|
| Frequency              | 13,56 MHz            | 13,56 MHz            | 13,56 MHz            | 13,56 MHz                  |  |
| ISO Protocol           | 14443A 1-3 (NFC T2T) | 14443A 1-3 (NFC T2T) | 14443A 1-3 (NFC T2T) | 15693 /18000-3M1 (NFC T5T) |  |
| IC/Chip                | Ntag 213             | Ntag 213             | Ntag 213             | ICODE SLIX                 |  |
| EPC                    | 7 Byte               | 7 Byte               | 7 Byte               | 7 Byte                     |  |
| User Memory            | 144 Byte             | 144 Byte             | 144 Byte             | 896 bits-112 Byte          |  |
| Reading Distance (1)   | 2-5 Cm               | 2-5 Cm               | 2-5 Cm               | 2-5 Cm                     |  |
| Opzionale Chip:        | Ntag 213, Ntag 216   |                      |                      |                            |  |
| Product certifications | RoHS compliant       |                      |                      |                            |  |
| Housing Material       | ABS + PU resin       | ASA + PU Resin       | Nylon GF + PU Resin  | ABS + PU resin             |  |
| Weight grams           | 8,0                  | 8,0                  | 8,0                  | 8,0                        |  |
| Standard Colors        | RAL 7016 Medium Grey | RAL 5002 Medium Blue | RAL 7035 Light Grey  | RAL 7016 Medium Grey       |  |
| IP Class Protection    | IP68                 | IP68                 | IP68                 | IP68                       |  |
| Operating Temp. C°(2)  | -25/+70 °C           | -25/+70 °C           | -25/+70 °C           | -40/+85 °C                 |  |
| Storage Temp. C° (3)   | -40/+80 C°           | -40/+80 C°           | -40/+110 C°          | -40/+80 C°                 |  |
| Chemical resistance    | <b>A</b>             | <b>B</b>             | <b>C</b>             | <b>A</b>                   |  |

(1) It depends on the type of Smartphone - (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.