

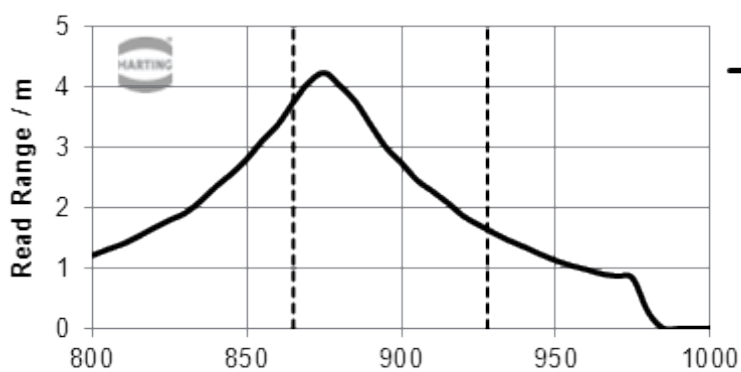


## Technical characteristics

|                                 |                                                                                       |                                                                      |
|---------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Frequency range</b>          | 860 ... 930 MHz                                                                       | global use                                                           |
| <b>Protocol</b>                 | EPC Class 1 Gen 2                                                                     |                                                                      |
| <b>EPC / User Memory (Chip)</b> | 96 Bit / 512 Bit                                                                      | (Alien Higgs 3)                                                      |
| <b>Temperature range</b>        | Function<br>Storage<br>Thermal shock (0 °C to 210 °C)<br>Thermal stress test (210° C) | -50 °C ... +85 °C<br>-65 °C ... +160 °C<br>5000 cycles<br>5000 h     |
| <b>Housing</b>                  | Size (W x D x H)<br>Protection class<br>Mounting<br>Colour                            | 41 x 11 x 5.15 mm<br>IP 64 / IP 67 / IP 69K<br>screws, glue<br>black |

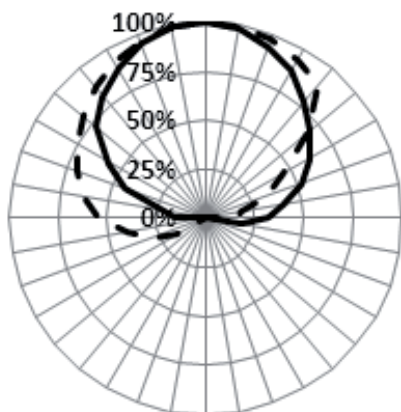
## Measurements

## Read Range / Radiation Pattern

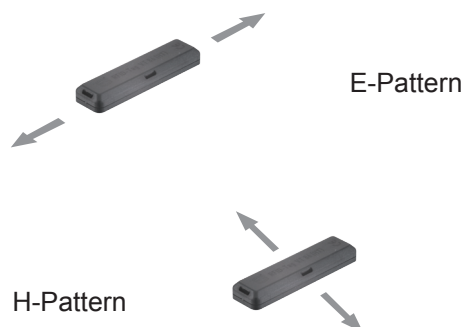


— on metal  
- 200x200mm -  
forward

Theoretical Read Range  
measured in free field  
conditions (radiated  
power – 2 W ERP).



— E-Pattern  
- - H-Pattern



The general Shape of the Radiation Pattern remains the same, regardless of:

- Placement of tag on different metallic surfaces
- 868 MHz or 910 MHz

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