

Transponder
Ha-VIS RFID VT 89 S (HT)



Advantages

- Global use possible thanks to wideband antenna design
- Robust, chemical resistant housing
- Small size
- Flexible mounting
- High temperature resistance
- Protection class IP 69 K
- Integration in type labels possible

General Description

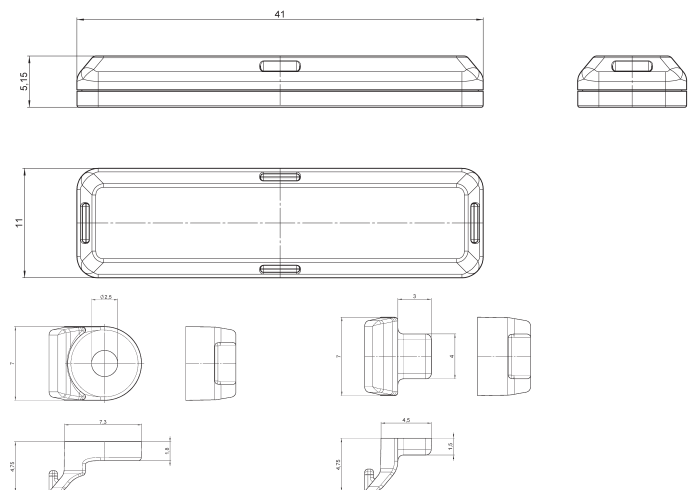
- Particularly robust and durable transponder for repair and maintenance cycles in extremely harsh environments
- Optimized for function on metal
- EPC C1 Gen2 compatible
- Read range (on metal, 2 W ERP, 868 MHz): > 2,5 m

Identification	Part number	Drawing	Dimensions in mm
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Packaging unit:

10 pieces	20 92 641 0201
50 pieces	20 92 641 0202



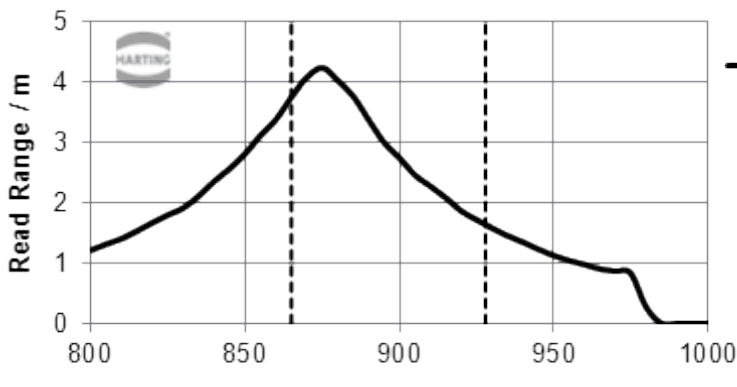
All datas given are in line with the actual state of art and therefore not binding.
HARTING reserves the right to modify designs without giving the relevant reasons.

Technical characteristics

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

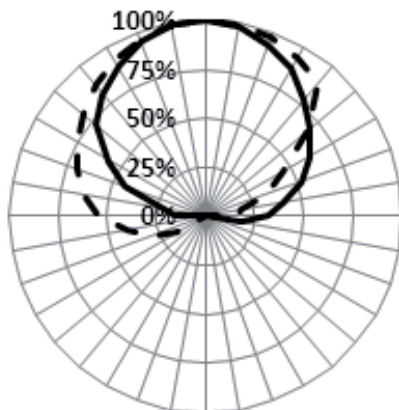
Measurements

Read Range / Radiation Pattern

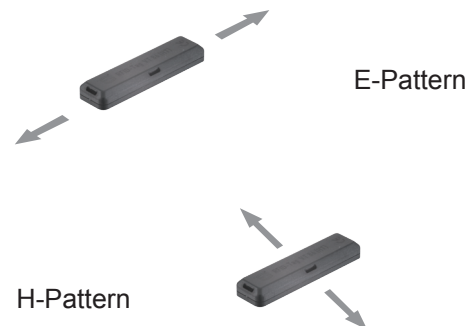


— on metal
- 200x200mm -
forward

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