Ha-VIS RFID VT 89 S (HT) *(former name: VT 86)*

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
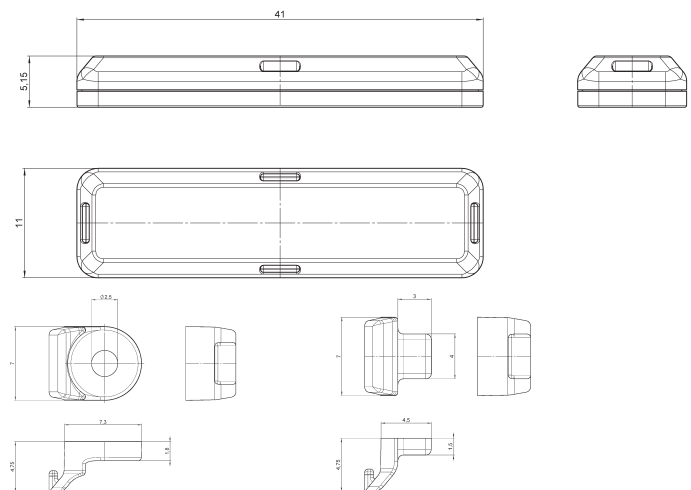- Integration in type labels possible

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

Ha-VIS RFID VT 89 S (HT)
 	
Packaging unit:
 	
    10 pieces
    50 pieces
	
	20 92 641 0201
	20 92 641 0202		

Ha-VIS RFID VT 89 S (HT)

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	-50 °C ... +85 °C
	Storage	-65 °C ... +160 °C
	Thermal shock (0 °C to 210 °C)	5000 cycles
	Thermal stress test (210° C)	5000 h
Housing	Size (W x D x H)	41 x 11 x 5.15 mm
	Protection class	IP 64 / IP 67 / IP 69K
	Mounting	screws, glue
	Colour	black

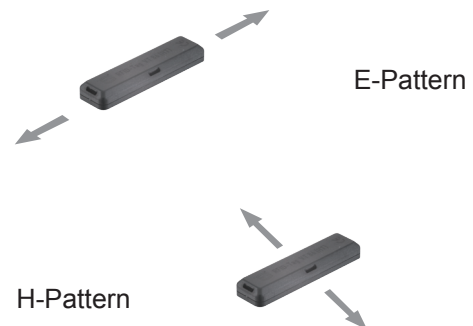## Measurements   Read Range / Radiation Pattern
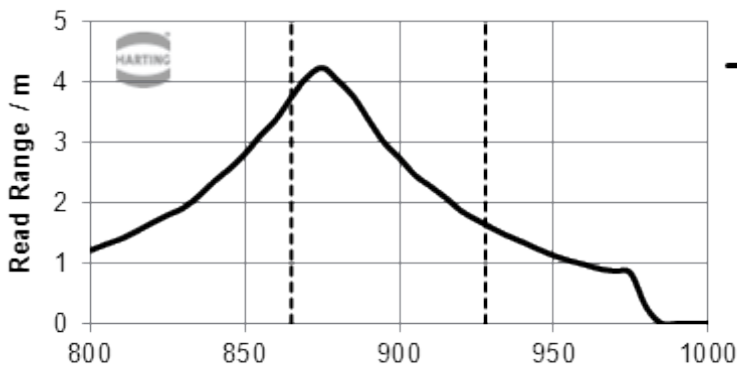
on metal
- 200x200mm -
forward

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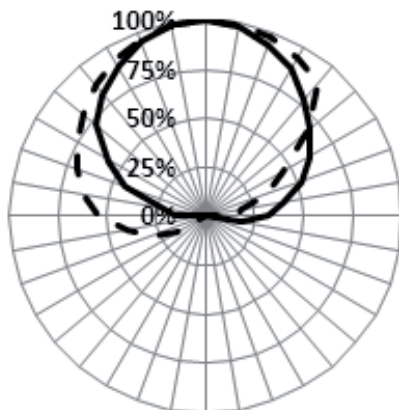
E-Pattern

H-Pattern

—— 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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