



Transponder
Ha-VIS RFID FT 89 small (NT)

Advantages

- Global use possible thanks to wideband antenna design
- High read ranges, in relation to the housing dimension
- Scratch- and smudge-resistant by polycarbonate film
- Washable, resistant to chemicals
- Flexible mounting on different forms
- Flexible printing possible (barcode, datamatrix, custom logo / name)

General Description

- Applications on non-conducting surfaces
- Plastic container detection
- Container management
- Asset management
- Intralogistic
- Small size
- EPC C1 Gen2 compatible
- Read range (on air, 2 W ERP): > 4 m

Identification

Part number

Drawing

Dimensions in mm

Ha-VIS RFID FT 89 small (NT)

Packaging unit:

50 piece	20 92 641 0802
500 piece	20 92 641 0803



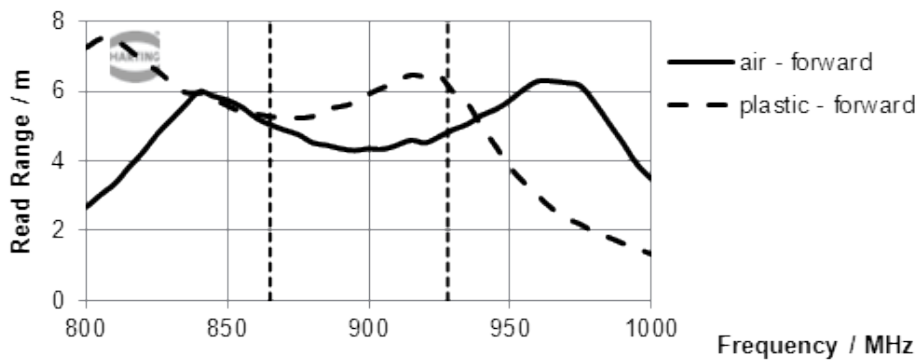
All data represent the current state of development at the time of print and are therefore non-binding.
HARTING reserves the right to modify designs without prior notice.

Technical characteristics

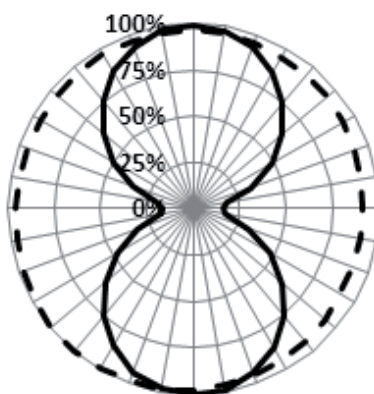
Frequency range	860 ... 930 MHz	global use
Protocol	EPC Class 1 Gen 2	
EPC / User Memory (Chip)	128 Bit / not exist	(NXP U-Code G2iL)
Temperature range	Function Storage	-32 °C ... +90 °C -32 °C ... +90 °C
Housing	Size (W x D x H) Protection class Mounting Colour	74 x 29 x 0.7 mm IP 64 / IP 67 / IP 69K glue white / flexible

Measurements

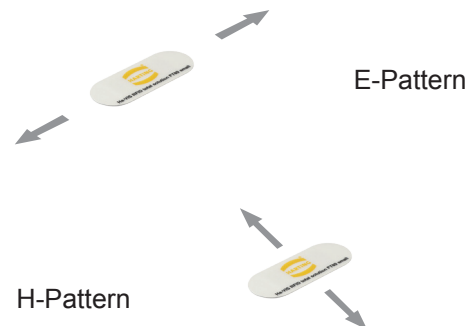
Read Range / Radiation Pattern



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:

- 868 MHz or 910 MHz