

UHF HEAVY DUTY TAG

| long-range vehicle identification tag



KEY FEATURES:

- Designed for outdoor use
- Strong impact resistance
- Identification up to 10 meters [33 ft]
- High performance on metal and non-metal surfaces
- Passive battery free tags
- Highly chemical resistant
- Water and shock proof
- EPC Gen 2 compatible

The UHF Heavy Duty tag is a passive UHF transponder offering long-range identification up to 10 meters [33 ft] with uPASS Target or 5 meters [16 ft.] with uPASS Reach*. The UHF Heavy Duty tag offers cost effective long-range vehicle identification installations requiring tamperproof mounting. The UHF Heavy Duty Tag is an effective solution for installations where the tag needs to be mounted onto the exterior of the vehicle.

The UHF Heavy Duty Tag is based on passive UHF technology. The tag does not contain a battery and is maintenance free. The secure, shock and impact resistance plastic housing provides high resistance to aggressive liquids and excellent stability over fluctuating temperatures, protecting the transponder within. The chemical resistance housing ensures ongoing long term performance. The elaborated designed and manufactured housing structure enables the tag to be truly waterproof.

The UHF Heavy Duty Tag can easily be mounted on metal, plastic or wood using standard M5 screws or tie wraps. This is featured with two mounting holes allowing easy permanent mounting onto the outside of the vehicle. The tag can directly be mounted onto metal.

* when used according guidelines and under normal circumstances

Security

The UHF Heavy Tags Tags are available in various formats ensuring compatibility to any installation. Wiegand and magstripe formatted tags are available to complement any access application. Nedap XS formatted tags are available to ensure easy integration for existing TRANSIT Standard of Entry users. Nedap formatted UHF windshield tag are featured with special security protection to provide data integrity and to prevent copying.

Applications

Typical applications include vehicle access to car parks, gated communities/ condominiums, offices etc.

SPECIFICATIONS

Technical information	UHF Heavy Duty Tag
Operating frequency	865 - 870 MHz 902 - 928 MHz
Standard	EPC Gen 2
Dimensions	230 x 15 x 15 mm [9.4x 0.6 x 0.6 in]
Fixation hole	5.2 mm [0.2 in]
Screws centre to centre distance	215 mm [8.5 in]
Weight	35 g [0.1 lbs]
Protection	IP67
Colour	Light grey
Material	PC/ABS High Impact
Operating temperature	-20 ... +70°C [-4 ... +158°F]
Shock/Fatigue temperature	-40 to 70 °C (100x 1 hour with transposition in 5 min)
Chemical resistance to	Ethanol: 20°C, 24 hrs Petrol: 20°C, 24 hrs Fuel: 20°C, 24 hrs Mineral Oil: 20°C, 24 hrs
Vibration	IEC 68.2.6 (10g, 10...200Hz, 3 axis, 2,5 h)
Shock	IEC 68.2.29 (40 g, 18,s. 6 axis, 2000 times)
Detection range	up to 10 meters [33 ft] with uPASS Target, up to 5 meters [16 ft] with uPASS Reach
Identification	R/O Read only number
Tag Formats	Wiegand
Magstripe	Nedap XS format (compatible to Nedap's tag format) (see for more information the How to order Guide)
Mounting	Onto the exterior of the vehicle using M5 screws
Part numbers	9955305 UHF Heavy Duty Tag
Documentation	UHF Heavy Duty Tag_InstallGuide_English
Readers	9217363 uPASS Target (region 1) 9217371 uPASS Target (region 2&3) 9942319 uPASS Reach (region 1) 9945466 uPASS Reach (region 2&3)
Document version nr.	v4.2