Heavy Duty Tag ISO

Long range vehicle tag

Key Features:

- **ATEX-certified**
- **Suitable for harsh environmental conditions**
- **Identification up to 10 m [33ft]**
- **Tamperproof mounting**
- **Shock and vibration proof**
- **Weatherproof enclosure (IP66)**
- **ID of trucks, trailers, containers, fork lifts etc.**

The Heavy Duty Tag is a durable, weatherproof RFID tag ideal for applications requiring reliable long range identification in harsh environmental conditions.

The Heavy Duty Tag features reliable performance up to 10 meters [33 feet] with the TRANSIT Standard reader as soon as it enters the readers detection area.

Tamperproof mounting

The Heavy Duty Tag ISO is ideal for tamperproof mounting by means of screws, bolts or rivets exterior on vehicle chassis. The tag can directly be mounted on a metal surface.

Suitable for harsh environmental conditions

This Heavy Duty Tag ISO is shock and vibration proof, watertight, UV stable and chemical resistant. Applications in intrinsically safe zones are allowed based on the ATEX-certificate.

Container compatibility

The Heavy Duty Tag complies with the ISO 10374 directive for RFID of Freight containers. The Heavy Duty Tag has been specifically designed to easily mount in the corrugated pockets on the sides of the freight container, where it can be automatically protected from direct impact.

Read Only

The Heavy Duty Tag is available typically in a Read Only (R/O). The R/O version is factory programmed with a unique customer specific security code and a customer defined number. The part number, tag ID number and date of manufacture are laser engraved into the enclosure of the tag.

Applications

Typical applications are the intermodal logistic, petrochemical, weighing, transportation, railway and security industry where the Heavy Duty Tag ISO can be applied to identify trucks, trailers, containers, railway wagons, forklifts, straddle carriers and other industrial vehicles. Private cars allow hidden mounting behind the grille of high secured environments.

Specifications

Heavy Duty Tag ISO

Operating frequency	2.45 GHz and 120 kHz
Dimensions	170 x 60 x20 mm [6.64 x 2.60 x 0.78 in]
Weight	112 gram [4.0 oz]
Protection	IP66 for exterior mounting to vehicle and container chassis [approx. NEMA 4x]
Enclosure material	ASA/PC
ATEX product category	II 2 G EEx ia IIC T4
Vibration	DIN EN 50155, table 3
Shock	DIN EN 50155, section 10.2.11.3
Color	Black, according to RAL 5003
Operating temperature	-20 ... +80°C [-4 … +176°F]
Storage temperature	-40 ... +85°C [-40 … +185°F]
Detection range	10 meters [33 ft] with TRANSIT Standard, TRANSIT ATEX or TRANSIT Extended reader
	5 …10 cm [1.96 … 3.94 in] with NEDAP RF proximity handheld (ID-Logger)
Humidity	10% ... 93% relative humidity, non condensing
Power supply	Built-in lithium battery with an expected lifetime of 8 years. Battery lifetime is not affected by the number of times the tag is read or RF fields from other sources
Mounting	Tamperproof mounting to the outside of a vehicle by means of two M6 bolts, screws, rivets and/or 3M VHB pressure sensitive tape combined with Loctite sealant.
Hand-held readable	Yes, with the ID-logger handheld (9845461)
Identification	R/O Read/only decimal number
Programming modes:	RO-A, Read Only always on (default)
	HS RO-A, Read Only high speed always on (double data rate)
Part number	9875980 Heavy Duty Tag ISO
Documentation	Heavy Duty Tag_InstallGuide_English
Accessories	**TRANSIT Readers**
	9990410 TRANSIT Standard reader
	9840990 TRANSIT ATEX reader
	9875220 TRANSIT Standard reader USA
	9874690 TRANSIT Extended reader