Heavy Duty Tag ISO

ATEX-certified vehicle identification tag

Key features:
- ✓ automatic vehicle identification
- ✓ identification up to 10 meters (33 feet)
- ✓ ATEX-certified (gas and dust)
- ✓ reliable under harsh environmental conditions
- ✓ robust mounting
- ✓ shock and vibration proof

The Heavy Duty Tag ISO is an ATEX-certified vehicle identification tag. Based on semi active RFID technology, the Heavy Duty Tag ISO is identified at distances up to 10 meters (33 feet) with Nedap's TRANSIT Ultimate reader.

As the Heavy Duty Tag ISO is weatherproof, it is ideal for applications that require reliable long-range identification in harsh environmental conditions. It can be used to identify trucks, trailers, containers, railway wagons, forklifts, straddle carriers and other industrial vehicles. Typical applications include advanced vehicle identification in the petrochemical, mining, transportation, logistics and security industry.

Harsh environmental conditions
This Heavy Duty Tag ISO is shock and vibration proof, watertight, UV stable and chemical resistant. The intrinsically safe design of the tag is type approved for use in potentially explosive atmospheres, Zone 21 and Zone 22, as is certified by the certificate number KEMA 09ATEX0016 X.

Container compatibility
The Heavy Duty Tag ISO complies with the ISO 10374 directive for RFID of freight containers. It is designed to be mounted in the corrugated pockets on the sides of the freight container. By mounting the Heavy Duty Tag ISO in these pockets, it is automatically protected to direct impact.

Robust mounting
The Heavy Duty Tag ISO is mounted by means of screws, bolts or rivets on the exterior of the vehicle chassis. The tag can be directly mounted on a metal surface. Private cars allow hidden mounting behind the grill.

Battery low indication
The Heavy Duty Tag can optionally be featured with a battery low indication. This indication is sent to the reader with the ID number. This function allows a timely replacement of the tags.

Read Only programmed
The Heavy Duty Tag ISO is Read Only (R/O) programmed. It is default programmed with a specific security code and an unique tag ID number. The part number, tag ID number and production date are laser engraved onto the exterior of the tag.

Technical information	Heavy Duty Tag ISO
Part number	9875980 Heavy Duty Tag ISO
Dimensions	170 x 60 x 20 mm (6.64 x 2.60 x 0.78 in)
Color	Black, according to RAL 9005
Weight	125 g (4.4 oz)
Protection class	IP66 [approx. NEMA 6]
Material	ASA/PC
Operating temperature	-20 ... +80°C (-4.0 +176 °F)
Storage temperature	-20 ... +80°C (-4.0 +176 °F)
Relative humidity	10% ... 93% relative humidity, non condensing
Read range	10 meters (33 feet) with TRANSIT Ultimate and TRANSIT Standard
Operating frequency	2.45 GHz / 120 kHz
Operating modes	RO-A = read-only, always on RO-A/b = read-only, always on, battery-low enabled
Air interface	Nedap proprietary encoding standard
Battery	Built-in lithium battery with an expected lifetime of 10 years. The lifetime is not affected by the number of times the tag is read or by RF fields from other sources.
Mounting	Tamperproof mounting to the exterior of a vehicle by means of two M6 bolts, screws, rivets and/or 3M VHB pressure sensitive tape combined with Loctite sealant.
Compatible readers	9840990 TRANSIT ATEX 9215689 TRANSIT Ultimate 9990410 TRANSIT Standard 9875220 TRANSIT Standard USA 9876200 TRANSIT Entry
Standards	ATEX certificate: KEMA 09ATEX0016 X ATEX warning: electrostatic hazard: CLEAN WITH WET CLOTH ONLY ATEX identification: ⟨Ex⟩ II 2 GD Ex ia IIC T4 / Ex iaD 21 IP66 T 135 °C CE, FCC, IC, ACMA, R-N2
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