HEAVY DUTY TAG ISO ✳

| Long range vehicle identification tag

KEY FEATURES:

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

Weatherproof RFID tag ideal for applications requiring reliable long range identification in harsh environmental conditions.

The Heavy Duty Tag ISO 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. 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. The Heavy Duty Tag ISO 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 ISO 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, petro-chemical, 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

Technical information	Heavy Duty Tag ISO
Operating frequency	2.45 GHz and 120 kHz
Dimensions	170 x 60 x 20 mm [6.64 x 2.60 x 0.78 in]
Weight	112 gram [4.0 oz]
Protection	IP66 [approx. NEMA 4x]
Enclosure material	Luran S KR 2861/1C
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 IP66 T135°C
Compliant to	EN 60079-0: 2006; EN 60079-11: 2007 (Gas)
Standards	EN 61241-0: 2006; EN 61241-11: 2006 (Dust)
Vibration	DIN EN 50155, table 3
Shock	DIN EN 50155, section 10.2.11.3.
Colour	Black, according to RAL 5003
Operating temperature	-20 ... +80°C [-4.0 +176 °F]
Storage temperature	-20 ... +80°C [-4.0 +176 °F]
Detection range	10 meters [33 ft] with TRANSIT Readers
Humidity	10% ... 93% relative humidity, non condensing
Power supply	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 outside of a vehicle by means of two M6 bolts, screws, rivets and/or 3M VHB pressure sensitive tape combined with Loctite sealant
User programmable	Yes, with XS110 W or TPU programming unit and Label programmer software
Identification	Up to a 6 decimal number
Part number	9875980 Heavy Duty Tag ISO
Documentation	Heavy Duty Tag ISO Installation Guide English
Accessories	TRANSIT Readers 9990410 TRANSIT PS270 Standard reader 9840990 TRANSIT PS270 ATEX reader 9875220 TRANSIT PS270 Standard reader USA 9874690 TRANSIT PS270 Extended reader