

# 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 Ultimate and 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   |
| 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   | ⊕ 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<br>9215689 TRANSIT Ultimate<br>9990410 TRANSIT PS270 Standard reader<br>9875220 TRANSIT PS270 Standard reader USA<br>9874690 TRANSIT PS270 Extended reader |
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