IDESCO

Scalable identification solutions

Idesco EPC

Passive long-distance RFID reader

This innovative passive long range UHF reader makes it possible to create cost-effective and user-friendly identification applications for vehicle identification (AVI), logistic systems and access control. Idesco EPC reader is a passive long-distance RFID reader operating according to the European UHF (ultra high frequency) regulations.

The reader can work with one external and one internal antenna. The antennas can transmit and receive at the same time or the other antenna can transmit when the other is receiving. The Idesco EPC reader is available with several interfaces for easy integration and offers a variety of security options. It supports anti-collision. Via the four I/O ports peripherals can be addressed. The wide operation temperature range of the reader and its protection class enable usage in indoor and outdoor environments.

Specifications

Operating frequency	865-868 MHz
Voltage	12-30 V (nominal 24 V)
RFID technology	epc c1g2, ISO 18000-6C
Dimensions of the housing	305 x 305 x 70 mm (hxwxd)
Material of the housing	Aluminium / plastic
Installation method	Adaptable mounting kit
Colour	White
Protection class	IP67
I/O's	2 Outputs, 2 Inputs
Ethernet	Optional
RS-485	Optional
RS-232	Optional
Wireless	Optional: Zigbee
Wiegand	Configurable
Leds	Tricolour
Buzzer	Optional
Buzzer control	By commands
Storage temperature range	-40 °C to +85 °C
Operation temperature range	-20 °C to +60 °C
Frequency allocation	ETSI 302 208
EMC	ETSI EN 301 489-1 ETSI EN 301 489-03, V.1.4.1
Reading distance	
Wisteq metal tag	In free air 3,5 meters and on metal 4 meters
ISO Combi Card (EPC/Mifare)	In a card holder 3.5 meters

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