IDENTIFICATION

HF Gate Antenna
ID ISC.ANT1710/690 Crystal Gate Standard

FEATURES

- Cost-effective solution with excellent identification rate
- Transparent Design
- Easy Installation
- Integrated Radar People Counter
- Flexible IT Integration
- International Approvals

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Top Performance
- Excellent 3-D read rates
- Comfortable aisle width up to 1.30 m due to a patented configuration
- DVD and CD detection

Transparent Design
- Customer specific colors for the base optional available
- Transparancy of almost 100% (acrylic plate)
- Alarm light integrated in acrylic plate

Easy Installation
- Antenna is tuned ex works
- Comprehensive service software
- Integrates all the electronics

Optional Functions
- People counter can be extended to 6 passages
- Mounting plate for quick assembly / disassembly and special floors

Flexible IT Integration
- Interfaces: RS232, USB, Ethernet (TCP/IP)
- Alternative „Stand alone“-Mode
- SDKs for Windows, Linux, Java, ...
- Remote maintenance and diagnostics via ISOStart
- Integration of customer-specific software directly on the reader

International Approvals
- Radio licenses according to ETSI (Europe), FCC (USA) and IC (Canada)

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
State of information: November 2016.

FEIG ELECTRONIC GmbH · Lange Straße 4 · D-35781 Weilburg
Tel.: +49 6471 3109-0 · Fax: -99 · E-Mail: OBID@feig.de · www.feig.de

Technical Data

Mechanical Data

Housing	Acrylic glass and ABS UV stabilized
Dimensions (W x H x D)	(682 x 1710 x 72) mm ± 3 mm
Weight	
Type A	approx. 20 kg / 26 kg with packaging
Type B	approx. 18 kg / 24 kg with packaging
Protection class	IP41
Color	Antenna plate: Acrylic glass, transparent Base: Signal white RAL 9003, satin-finished
Fastening	
Fastening points	2
Fastening bolts	Ø 10 mm (recommended)
Recommended minimum load of ground fastening	5000 N / dowel
Horizontal loading of the Antenna upper edge	Maximum 200 N*

Electrical Data

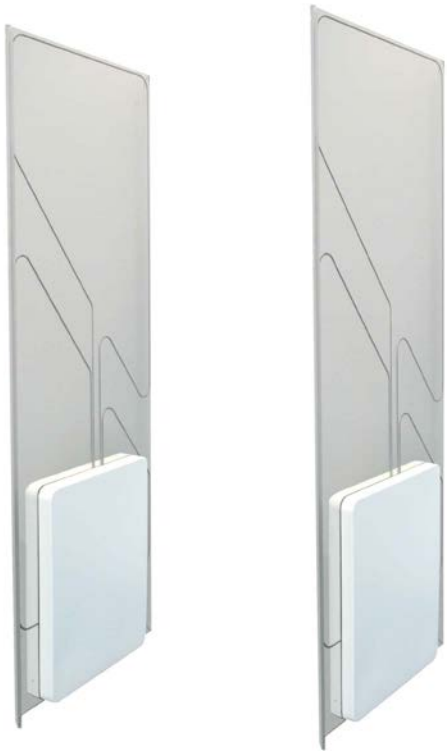
Supply voltage	24 V DC ± 15% Noise Ripple: max. 150 mV
Current consumption	max. 32 VA
Operating frequency	13.56 MHz
Max. transmission power	8 W per antenna
Antenna tuning	ID ISC.MAT
Interfaces	RS232, USB, Ethernet
Protocol Modes	FEIG ISO HOST, Buffered Read Mode, Scan Mode, Notification Mode
Transponders	ISO15693, ISO18000-3-A Mode 1, NXP I Code 1, ISO18000-3m3 (optional)
Aisle width	
Unidimensional	up to 130 cm**
Tridimensional	up to 110 cm***
Antenna connection	1 x SMA plug (50 Ω)
Antenna connection cable (Type B)	RG58, 50 Ω, approx. 8 m long

Environmental conditions

Temperature range	
Operation	–25 °C up to +50 °C
Storage	–25 °C up to +70 °C
Humidity	10 – 95%, not condensing

Applicable standards

Radio license	
Europe	EN 300 330
USA	FCC Part 15
Canada	RSS-210
EMC	EN 301 489
Safety	
Low voltage	EN 60950-1
Human Exposure	EN 50364



*Permanent deformation after unloading about 4 cm

** 2 pieces of antennas ID ISC.ANT1710/690-A/-B, same current direction, transponder 46 mm x 75 mm ISO 15693, sensitivity / minimum field strength H_{min} = 40 mA / m rms, transmission power 8 W, alignment of the transponders parallel to the antenna at a horizontal movement by the antenna. The maximum distance between the antennas is also influenced by the quality of the response signal of the transponders.

*** 2 pieces of antennas ID ISC.ANT1710/690-A/-B, transponder 46 mm x 75 mm ISO 15693, sensitivity / minimum field strength H_{min} = 40 mA / m rms, transmission power 8 W, alignment of the transponder omnidirectional to the antenna in a horizontal movement through the antenna. The maximum distance between the antennas is also influenced by the quality of the response signal of the transponders.

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