HF 4 channel Multiplexer
ID ISC.ANT.MUX.M4

Features

- Communication between reader and Multiplexer via antenna cable
- Multiplexer outputs are controlled by the reader or the host system
- Non-wearing electronic switching of the outputs
- High switching speed (< 1ms)
- Also available: 8 channel Multiplexers
Description

The 4 channel Multiplexer Module ID ISC.ANT.MUX-M4 facilitates switching between RFID antennas with an operating frequency of 13.56 MHz. With one Multiplexer several single antennas and gate solutions can be operated with only one reader.

The Multiplexer is controlled via the antenna cable connected with the reader. An additional connection to the Multiplexer is not necessary which guarantees an easy installation.

The advanced communication between the reader and multiplexer allows direct switching to any output.

Additionally, FEIG ELECTRONIC offers an 8 channel Multiplexer Module and an 8 channel Multiplexer with housing.

Order descriptions:

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<td>ID ISC.ANT.MUX.M4</td>
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FEIG ELECTRONIC reserves the right to change specification without notice at any time.
Stand of information: May 2012
**Technical Data**

Dimensions (W x H x D) 137mm x 77 mm x 15 mm (5.39 inch x 3.03 inch x 0.59 inch)

Weight approx. 80 g

Operating frequency 13.56 MHz

Supply voltage 12 – 24 V DC

Power consumption max. 4.0 W

Attenuation per channel max. 0.5 dB

Max. permissible switching power 8 W

RF connections
- 1 x input SMA jack (50Ω)*
- 4 x output SMA jack (50Ω)*

RF switches electronic switches (non-wearing); switching speed < 1ms

Triggering
- Reader communication via RF input 1

Signal indicator
- 1 x LED per channel
- 3 x LED (Run / HF / Communication)

Temperature range
- Operation -25°C to 65°C (-13°F to +149°F)
- Storage -40°C to 80°C (-40°F to +176°F)

*Maximum tightening torque: 0.45 Nm (4.0 lbf in)

**STANDARD CONFORMITY**

EMC EN 61000-6-3
EN 61000-6-2

Vibration EN 60068-2-6
10 Hz to 150 Hz; 0.075 mm / 1g

Shock EN 60068-2-27
Acceleration: 30g

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