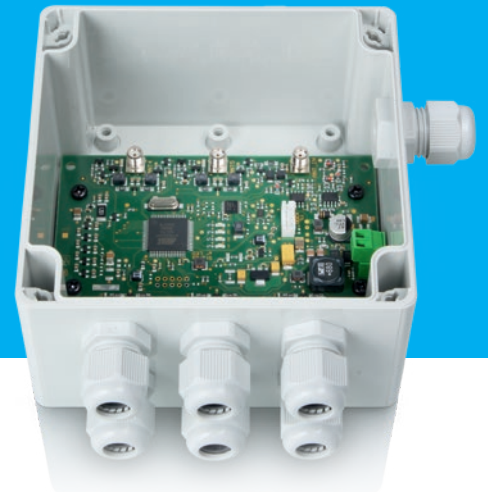


ID ANT.MUX.5 / ID ANT.MUX.M5

## HF 5 CHANNEL MULTIPLEXER

- Communication between reader and multiplexer via antenna cable
- Multiplexer outputs are controlled by the reader or a host
- Non-wearing electronic switching of the outputs
- 1 RF Input / 5 RF Output
- High switching rate (< 1 ms)
- Available in an industrial housing or as a module without housing



### HF 5 channel multiplexer

The two 5 channel multiplexers ID ANT.MUX.5 and ID ANT.MUX.M5 enable almost loss-free and fast switching between RFID antennas with an operating frequency of 13.56 MHz.

The single output of the RFID reader is thus expanded to up to 5 antenna outputs. This enables complex setups with up to 20 antennas in connection with the Long Range Reader ID LR(M)5400.

By controlling the multiplexer via the ID LR(M)5400 reader in automatic mode, the fastest possible switching between the RFID antennas takes place.

Alternatively, the multiplexer is controlled by a command from the reader via the antenna line. Additional connections to the multiplexer are not required, which leads to a simple installation with little cabling effort.

With the help of the firmware of the multiplexer and the RFID reader, fast and targeted addressing of each connected antenna is possible.

In addition to the 5 channel multiplexer ID ANT.MUX.5 in a housing suitable for industrial use, a module variant ID ANT.MUX.M5 without housing is also available.

# HF 5 CHANNEL MULTIPLEXER

Enables the operation of up to 20 antennas with just one reader. In conjunction with the Long Range Reader ID LR5400, the number of antenna outputs increases to up to 20.

Technical data	ID ANT.MUX.5	ID ANT.MUX.M5
Dimensions (w x h x d)	125 x 120 x 85 mm	115 x 75 x 15 mm
Weight	400 g	60 g
Housing	Polycarbonate, with screwed plexiglas lid	—
Protection class	IP65	—
Operating frequency	13.56 MHz	—
Grommet	7x screwed cable gland M16 x 1.5	—
Supply voltage	12 – 24 V DC	—
Power consumption	max. 4.0 W	—
Attenuation per channel	max. 0.5 dB	—
Max. perm. switching power	8 W	—
RF connections		
1 x input	SMA jack (50 Ω)	
5 x output	SMA jack (50 Ω)	
RF switch	electronic switch; switching speed < 1 ms	
Triggering	via RF input of the reader	
Signal indicators	1 x LED per channel 4 x LED (RUN / HF / Communication / Error)	
Temperature range		
Operation	-25 °C up to +65 °C	
Storage	-40 °C up to +80 °C	

## Standard conformity

EMC	EN 61000-6-3, EN 61000-6-2
Vibration	EN 60068-2-6 10 Hz to 150 Hz: 0.075 mm / 1 g
Shock	EN 60068-2-27 Acceleration: 30 g

## Order descriptions

ID ANT.MUX.5	6215.000.00	HF Multiplexer (5 channels)
ID ANT.MUX.M5	6216.000.00	HF Multiplexer module (5 channels)
ID ANT.MUX.M5.GMK	6696.000.00	5-times Antenna Multiplexer with Gates Mounting Kit included



ID ANT.MUX.5



ID ANT.MUX.M5