4 Channel Antenna Multiplexer ID CPR.ANT.MUX.M4 for HF Reader Module ID CPR74



SPECIAL FEATURES

- → Allows the connection of up to 4 external antennas to the ID CPR74
- Communication between reader and multiplexer via 2 control inputs
- → Easy control of the multiplexer outputs via CPR74
- → Active antenna port indicator for each channel
- → Non-wearing electronic switching of the outputs
- → High switching speed (< 1 ms)





Description

The 4 Channel Multiplexer ID CPR.ANT.MUX-M4 allows connection of up to 4 external antennas to the reader module ID CPR74. Thus it is possible to realize up to 5 reading areas if the internal antenna of the ID CPR74 is also used.

The control of each active antenna is done via a simple configuration of the CPR74. Alternatively, the control can be effected via two digital inputs by an external control electronics. At any time, only one antenna is active - this is indicated by one LED each, which is attached next to each antenna output.

The following articles (reader, antennas and accessories) can be operated with the ID CPR.ANT.MUX-M4:

Order descriptions:

ID CPR74-CUSB	HF Reader module with integrated antenna and external antenna connector	
ID CPR74-4SCUSB	HF Reader module with integrated antenna and external antenna connector, with 4 SAM sockets	
ID ISC.ANT.100/100	HF Antenna 100 x 100 cm	
ID ISC.ANT.40/30	HF Antenna 40 x 30 cm	
ID ISC.ANT.C5-A	HF Antenna cable U.FL, 50 cm	
ID ISC.ANT.C02-U.FL/SMA	HF Adapter cable from U.FL to SMA, 20 cm	

Note: Errors and technical alterations reserved. The information is given in April 2017.



Technical data

			ID CPR.ANT.MUX.M4	
Weight			12 g	
Temperature Range		Operating	-25 °C up to +70 °C (-13 °F up to +158 °F)	
		Storage	-40 °C up to +85 °C (-40 °F up to +185 °F)	
Humidity			max. 95 % (not condensing)	
MTBF			500 000 h	
Power Supply			+5 V DC ± 5 %	
Current Consumption			< 40 mA	
I/O	Digital	Inputs	Low-Pegel: 0 1.0 V High-Pegel: 3.8 V VCC Pull-Down: 10 kΩ	
	LED		4 LED (yellow)	
Operating Frequency			13.56 MHz	
RF Power			Max. 500 mW	
Reader connection			U.FL connector	
Antenna connection			4 x U.FL connectors for external antennas	
EMC			EN 301 489	
Safety and Health			EN 62368	
Waste and Hazardous Substances			WEEE - 2002/96/EC RoHS - 2011/65/EC	

Note: Errors and technical alterations reserved. The information is given in April 2017.



 FEIG ELECTRONIC GmbH
 Lange Straße 4
 D-35781
 Weilburg

 Tel.: +49 6471 3109-0
 Fax: -99
 E-Mail: info@feig.de
 www.feig.de