MAGIC

RFID Reader Industry Module

PART ID:
4043

The reader module MAGIC 4043 is one of our newest innovative module system. It has been developed for read and write UHF transponders in the frequency range 860 - 960 MHz. Due to the low level protocol a short integration time is guaranteed. Its small identical design to other modules of the MAGIC series promises a 100% compatibility to other frequency ranges LF and HF.



Main Specifications

Frequencies	LF HF **UHF**
Material	FR4
Operating Temperature	-20°C to 65°C
IP Class	Not Specified
Compliance	RoHs & Reach, CE
Key Features	Small Size, Versatile, Cost-Effective, Command Interpreter

Full Specifications

Product ID	4043
Name	MAGIC
Material	FR4
Shape	Mid Range
Long Description	The reader module MAGIC 4043 is one of our newest innovative module system. It has been developed for read and write UHF transponders in the frequency range 860 - 960 MHz. Due to the low level protocol a short integration time is guaranteed. Its small identical design to other modules of the MAGIC series promises a 100% compatibility to other frequency ranges LF and HF.
Key Features	Small Size, Versatile, Cost-Effective, Command Interpreter
Article Type	Module
Color	Green
Length [mm]	51.44
Width [mm]	31.12
Thickness [mm]	4
Weight [g]	11
Anticollision	yes

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Where application information is given, it is only advisory and does not form part of the specification.

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IP Class	Not Specified
PCB Material	FR4
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Compliance	RoHs & Reach, CE
Read / Read Write	Read&Write
Typical Reading Range	2
Supported Standards / Tags	ISO 180000-6A/B, C (EPC Class1 Gen2)
Operating Temp °C (min)	-20
Operating Temp °C (max)	65
Storage Temp °C (min)	-20
Storage Temp °C (max)	65
Power Supply	5V DC
Battery Type	None
Battery Capacity	None
Operating Frequency	UHF
Frequency Range	860-920MHz
Power over Ethernet [PoE]	No
max.Power	500mA
Interfaces Physical	UART, I²C (3.3/5V)
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Antenna Ports	1
Antenna ext.	1
GPIO	3
Number of Input	3
Number of Output	3
Connection	Socket / uFL
Status [Display,LED]	1 RGB LED
Development Tools	API/Terminal

VARIANTS

ID	Variant
4043-01-000-00	UHF Read/Write

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