



RFID RFI341 / Long Range

RFI341-1503S02



Model Name > [RFI341-1503S02](#)
Part No. > [1044537](#)



At a glance

- 13.56 MHz long range RFID interrogator
- Global standardized air interface (ISO/IEC 15693)
- freely programmable data output format
- Digital switching inputs for trigger control (photoelectric sensors, laser scanners, ...)
- Digital switching outputs for process control (Good Read / No Read)
- Up to 4 external antennas can be connected using splitter/multiplexer modes of operation
- Service function for antenna tuning

Your benefits

- Reads reliably - even at higher conveyor speeds
- Adapts to changing needs, ensures investment over the long term
- Widely available low-cost transponders due to compatibility with ISO/IEC15693 standard
- Easy to integrate into existing systems, saving installation time
- A self-sufficient solution, maintains local control
- Maintenance-free

The product has been discontinued. Please follow the "replacement product" link for information about alternative products.



Features

Product category:	Interrogator (write/read unit)
Frequency band:	HF (13.56 MHz)
Carrier frequency:	13.56 Hz
Version:	Long Range
Variant:	M12
Output power:	4 W (adjustable in four steps: 0.7 W, 1 W, 2 W and 4 W)
RFID standard:	ISO/IEC 15693
Scanning range:	Max. 1.2 m
Splitter:	External
Multiplexer:	External

Service functions:	Application-specific antenna setting via integrated standing wave measurement with acoustic and optic display
Further functions:	Diagnosis, Updatable firmware, Heartbeat, Command mode, Stand-alone mode, Triggering

Interfaces

Serial (RS-232):	✓
Data transmission rate (Serial (RS-232)):	9.600, 19.200, 38.400, 57.600, 115.200 Bd
Protocol (Serial (RS-232)):	STX/ETX
Ethernet:	✓
Protocol (Ethernet):	TCP/IP, STX/ETX
CAN bus:	-
PROFIBUS DP:	-
DeviceNet:	-
Switching inputs:	2 (Ue = max. DC 30 V, electrically isolated)
Switching outputs:	2 (short-circuit proof, overload-proof, I _{max} = 400 mA)
Optical indicators:	2 LEDs

Mechanics/electronics

Electrical connection:	6 M12
Operating voltage:	20 V ... 29 V
Power consumption:	50 W, when switching outputs are not connected
Housing:	Steel sheet
Housing color:	Light blue (RAL 5012)
Enclosure rating:	IP 65
Protection class:	III
Weight:	4.7 kg
Dimensions:	300 mm x 200 mm x 120 mm

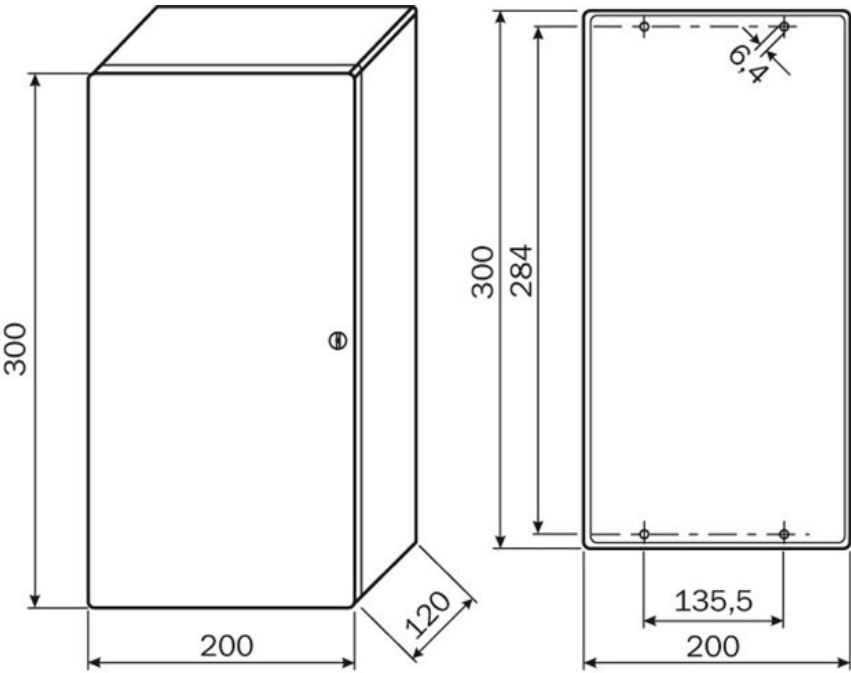
Ambient data

Radio equipment type approval:	Europe (EN 300330)
Ambient operating temperature:	-20 °C ... 50 °C
Storage temperature:	-20 °C ... 60 °C

General notes

Life cycle phase:	Phased out
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Dimensional drawing



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