



RFID RFI341 / Long Range

RFI341-1503



Model Name > [RFI341-1503](#)
Part No. > [1043330](#)



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:	Base
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:	Terminal strip
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

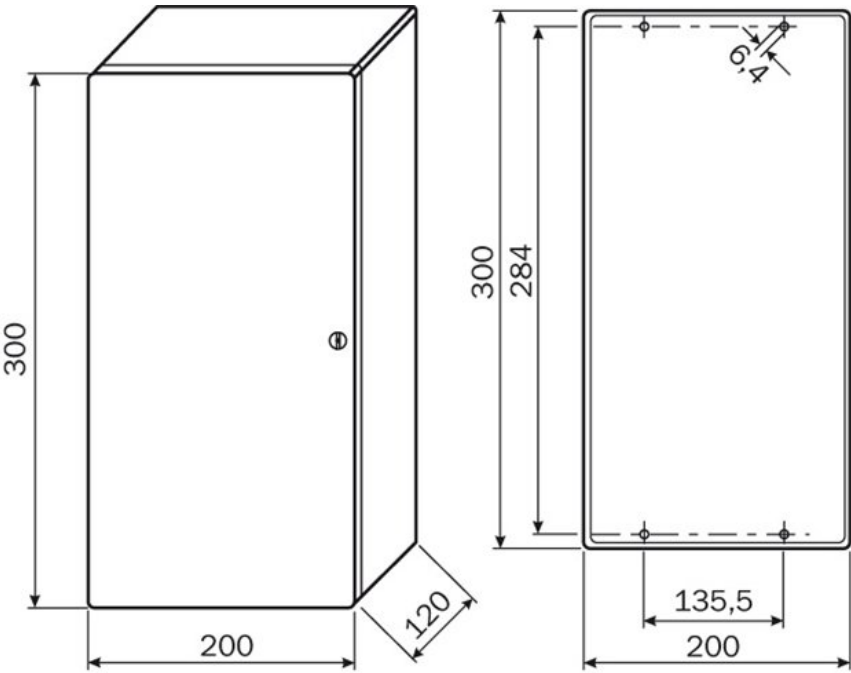
Ambient data

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
-------------------	------------

Dimensional drawing



Australia

Phone +61 3 9457 0600
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6801000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886-2-2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com