Product data sheet
20 91 105 2201
Ha-VIS RFID RF-R300-W
Please do not use this product for new DesignIns anymore. Contact your local distribution partner for alternatives.

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Ha-VIS RFID RF-R300-W

Image is for illustration purposes only. Please refer to product description.

Part number	20 91 105 2201
Specification	Ha-VIS RFID RF-R300-W
HARTING eCatalogue	https://b2b.harting.com/20911052201

Identification

Series	Ha-VIS RFID
Element	Reader
Specification	RF-R300-W
Features	WLAN-capable
	Designed for the harsh industrial environment
	Tested according industry standards
	Ready for software customisation
	Ha-VIS Middleware compatible
	OPC UA for AutoID Companion
	Modbus/TCP communication
	GS1® ALE 1.1 based Middleware
	For configuration, a WiFi antenna is required

Version

Processor	1 GHz ARM
Memory	1 GB RAM
	4 GB eMMC
	Up to 32 GB Flash (via Micro SD Card)
Operating system	Linux (Kernel 3.x.x)
Fixing	DIN rail mounting kit
Diagnostic display	LEDs to display operating state
	LEDs to display connection status

Termination data

Supply voltage	24 V DC

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Termination data

Interfaces	WiFi: 802.11a/b/g/n
	WPA/WPA2 Enterprise
	Bluetooth Low Energy (BLE) 4
Protocol	EPC Class 1 Gen2 (ISO 18000-6c)
	LLRP (Low Level Reader Protocol, worldwide standardised)
	OPC UA for AutoID Companion
	Modbus/TCP for an easy PLC connection
	Embedded middleware functionality based on the GS1$^®$ ALE 1.1 standard
Termination method	2 x RP-TNC connector (50 Ohm)
	reader internally multiplexed

Technical characteristics

Operating temperature	-20 ... +50 °C
Storage temperature	-25 ... +85 °C
Relative humidity	5 ... 95 % Non-condensing
Degree of protection acc. to IEC 60529	IP67
Frequency	865 ... 928 MHz
Transmitting power	0.5 W

Material properties

Material (hood/housing)	Aluminium
Surface (hood/housing)	Powder-coated
Length	132 mm
Width	104 mm
Height	35 mm

Specifications and approvals

Specifications	EN 301489
	EN 302208
	IEC 60068-2-27
	EN 50364
	IEC 60068-2-6
	EN 60950
	FCC 47 FCR Part 15
	IC RSS-GEN, RSS-210

Commercial data

Packaging size	1
Net weight	640 g

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Commercial data

Country of origin	Germany
European customs tariff number	84719000
eCl@ss	90909090 Interim classification (unspecified)

Page 3 / 3 | Creation date 2021-05-20 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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