Ha-VIS RFID RF-R200 Reader



Ha-VIS RFID RF-R200 Reader

Advantages

- One internal antenna (up to 30 cm)
- Three external antennas (SMA)
- Flexible through large external antenna portfolio
- Power over Ethernet
- For distributed identification points
- Small size and DIN rail mounting
- Easy integration in machines or cabinets

General Description

The Ha-VIS RF-R200 is a cost-efficient mid range reader licensed according to ETSI, FCC und IC.

Due to its very compact design, the Ha-VIS RF-R200 is best suited for integration in machines as well as office applications

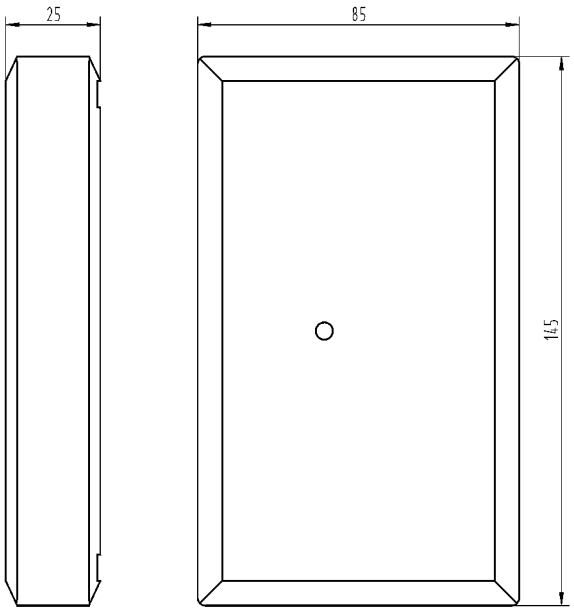
Characteristics:

- very compact
- can easily be integrated in machines
- internal antenna for applications with limited space
- external antennas makes numerous application possible
- 0.5 W transmission power
- Power over Ethernet

Identification	Part number
Ha-VIS RFID RF-R200-PoE	20 91 106 1101
Ha-VIS RFID RF-R200 (module) (no housing)	20 91 106 1103
Optional accessories	
DIN Rail mounting Kit for RF-R200	20 93 102 0202
Mounting Kit (screwings)	20 93 102 0203
Power supply (EU)	20 93 310 0203

Drawing

Dimensions in mm



All data represent the current state of development at the time of print and are therefore non-binding.
HARTING reserves the right to modify designs without prior notice.

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Technical characteristics

Transponder protocol	EPC class Gen2 (ISO 18000-6-c)
UHF RFID antenna interface	
Antenna connection	one internal antenna (up to 20 cm read range) 3 x SMA connector (50 Ohm)
Transmitting Power	max. 0.5 W configurable
Frequency area	860 MHz ... 960 MHz (depending on specific reader)
Interfaces	• RF-R200 (PoE) Ethernet (TCP/IP) 10/100 Mbit/s; Full Spec. 802.3 • RF-R200 (module); RS 323 (serial), USB
Performance	
Max.Operating Distance	Up to 2 m, depending on transponder & environmental conditions
Protocol Modi	• Host Mode • Notification Mode (Ha-VIS RFID RF-R200 (PoE)) • Scan Mode (Ha-VIS RFID RF-R200 (module)) • Buffered read mode
Power Supply	
Power supply	12 V ... 24 V DC
Power consumption	max. 7 W
Design features	
Dimensions (W x H x D)	145 x 85 x 27 mm
Degree of protection acc. to DIN 60 529	IP 30
Installation on DIN rail	DIN rail mounting kit (optional accessories)
Environmental conditions	
Operating temperature	-25 °C ... +45 °C (PoE) -25 °C ... +55 °C (module)
Storage temperature	-25 °C ... +85 °C
Relative humidity	5 % ... 95 % (non-condensing)
Vibration	EN 60 068-2-6 10 Hz ... 150 Hz: 0.075 mm / 1 g
Shock	EN 60 068-2-27 Acceleration: 30 g

Technical characteristics

Norms & Safety

Radio license	• EN 302 208 • FCC 47 FCR Part 15 • IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	EN 60 950
RoHS compliant	

Extras	• Internal overheating control • Demo- and configuration software Ha-VIS RFID config

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