

## RFID Reader for Zone 2/22

### RFID20-\*



- Flexible RFID (125 kHz and 13.56 MHz) reader with NFC capabilities
- Flush mountable for easy integration in VisuNet Systems
- Compatible with LogOnPlus software
- Provides access to all standard USB operating modes as HID, USB-CCID und USB CDC

RFID Reader/Writer for LF, HF, NFC

### Function

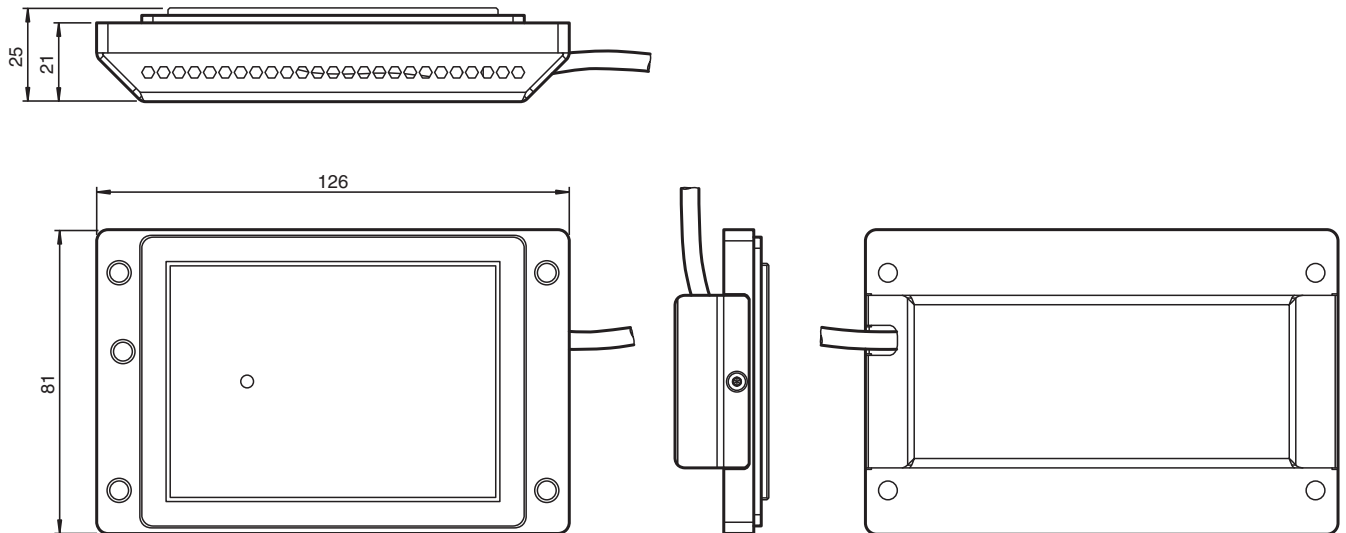
The RFID20-\* integrates RFID and NFC capabilities into a compact and flexible reader and allows users to read and write almost all common worldwide 125 kHz and 13.56-MHz tags and/or labels. The RFID20-\* is designed as an additional configurable accessory for the Pepperl+Fuchs Workstations but can be used as stand-alone RFID Reader/Writer as well.

### Function Principle

**Example: RFID20-\* integrated in the VisuNet FLX System**



## Dimensions



## Technical Data

General specifications	
Type	RFID Reader/Writer for LF, HF, NFC
Operating distance	LF and HF: Up to 76 mm / 3 inch, depending on environment and transponder
Supply	
Power supply	4.3 V - 5.5 V via USB; via generic interface (X2) 3.3 V $\pm$ 5% Limited power source according to the safety norms listed in the respective declaration of conformity, short-circuit current < 8 A
Indicators/operating means	
Indicators	LED green: power on LED red flashing beeper/buzzer: read/write attempt performed
Electrical specifications	
Operation frequency	125 kHz (LF) / 13.56 MHz (HF)
Interface	
Interface type	USB
Directive conformity	
Explosion protection	
Directive 2014/34/EU	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN IEC 60079-31:2024
Radio and telecommunication terminal equipment	
Directive 2014/53/EU	<b>RFID20-A-*NF-****-N**:</b> EN 300 330 V2.1.1 EN 301 489-1 V1.9.2 EN 62368-1:2014+AC:2015-05+AC:2015-11 EN 50364:2010 EN 62479:2010 EN 55032:2015  <b>Additional standards:</b> EN 301 489-1 V2.1 .1 EN 301 489-3 V2.1 .1 EN 62311:2008 EN 62369-1:2009  <b>RFID20-B-*NF-****-N**:</b> EN 300 330 V2.1.1 EN 301 489-1 V1.9.2 EN 62368-1:2014+AC:2015-05+AC:2015-11 EN 50364:2010 EN 62479:2010 EN 55032:2015  <b>Additional standards:</b> EN 301 489-1 V2.2.3 EN 301 489-3 V2.1 .1 EN 62369-1:2009 EN 62311:2008

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## Technical Data

RoHS		
Directive 2011/65/EU (RoHS)		EN IEC 63000:2018
<b>Conformity</b>		
Degree of protection		Front side: Non-Ex: IP66 with included front foil, With Ex-certification: IP66 with included front foil Back side: IP20
<b>Ambient conditions</b>		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-20 ... 65 °C (-4 ... 149 °F)
Relative humidity		max. relative humidity 93% at 40°C (non-condensing) according to EN60068-2-78
<b>Mechanical specifications</b>		
Material		PEEK housing, anodized aluminum backside
Mass		300 g
Dimensions		126 mm x 81 mm x 25 mm
Cut out dimensions		82 mm x 57 mm
Cable length		1.8 m / 0.6 m

## Type Code

### RFID20-\*

RFID20-	(1)-	(2)	(3)-	(4)	(5)-	(6)
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#### Model

RFID20-	RFID reader Zone 2/22
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#### (1)- Reader

A-	ElatecReader TWN4 MultiTech 3 M LF HF
B-	ElatecReader TWN4 MultiTech 3 LEGIC M LF HF

#### (2) Explosion protection

N	Non-Ex
R	ATEX Zone 2/22 (Self-Declaration)

#### (3)- Mounting options

NF-	Flush mount
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#### (4) Interface

UA	USB with T type A connector
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#### (5)- Cable length

06-	Standard 0.6-m cable for installation in VisuNet FLX System Housing
18-	1.8-m cable for standalone application

#### (6) Options

N0	None
XX	Other options without impact on explosion protection

#### Example:

RFID20-	A-	N	NF-	UA	06-	N0
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