

## RF30-WR-M30H

## ARTICLE PROPERTIES

<b>PRODUCT TYPE</b>	RS-485 RFID	<b>PROTOCOL</b>	ModbusRTU
<b>DESCRIPTION</b>	RS-485 slave, Support the allocation of device addresses		

## ELECTRICAL DATA

<b>SUPPLY VOLTAGE</b>	18 ... 30 V DC	<b>CONNECTION TYPE</b>	M12x1, Male, 4 pin, A-coded
<b>CURRENT CONSUMPTION</b>	Max. 80 mA	<b>POWER CONSUMPTION</b>	Max. 2 W
<b>RF STANDARDS</b>	ISO 15693	<b>OPERATING FREQUENCY</b>	13.56 MHz
<b>ANTENNA TYPE</b>	Integrated antenna	<b>EMITTED POWER</b>	23 dBm
<b>OPERATING DISTANCE</b>	0 ... 70 mm (depends on the environment)	<b>DYNAMIC MODELS</b>	Not supported
<b>COMMUNICATION RATES</b>	9600 ... 115200 Baud	<b>DIAGNOSIS</b>	LED indicaton
<b>FUNCTION INDICATOR</b>	<ul style="list-style-type: none"> <li>• Power (PW) Green LED</li> <li>• Communication (LK) Green flickering LED</li> <li>• Tag Present (TAG) Orange LED</li> </ul>		

## FUNCTIONAL SAFETY

<b>MTTF</b>	266 years
-------------	-----------

## GENERAL DATA

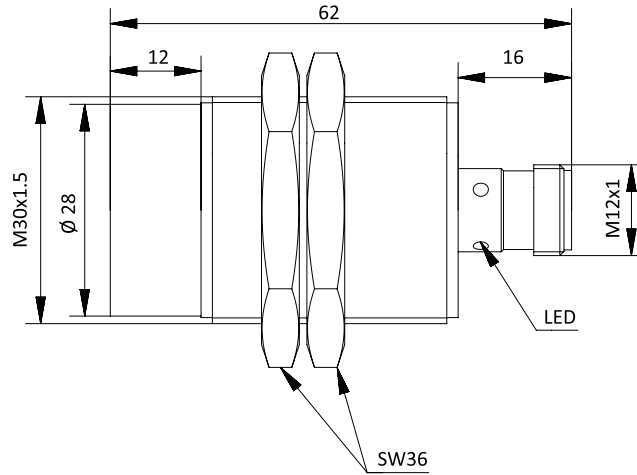
<b>HOUSING MATERIAL</b>	Nickel-plated brass + PBT	<b>OPERATING TEMPERATURE</b>	-25 ... +70 °C
<b>PROTECTION</b>	IP67	<b>STORAGE TEMPERATURE</b>	-40 ... +85 °C
<b>INSTALLATION</b>	Metal-free (clear zone) On metal	<b>DIMENSIONS</b>	Ø 30 × 46 mm
<b>WEIGHT</b>	95 g	<b>SHOCK RESISTANCE</b>	IEC 60068-2-27
<b>VIBRATION RESISTANCE</b>	IEC 60068-2-6		

## APPROVALS

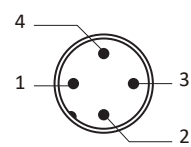


RF30-WR-M30H

DIMENSIONS



CONNECTION DRAWING

M12 A-CODE (MALE)	FUNCTION
	1 - Power supply_24 V+
	2 - A (RS-485)
	3 - Power supply_GND
	4 - B (RS-485)

## RF30-WR-M30H

---

### SALES AND SERVICE

**Tianjin Elco Automation Co., Ltd**

No. 12, 4th XEDA Branch Road  
Xiqing Economic-Technological Development Area  
Tianjin 300385, P.R. China  
Office Phone: 022 23788282  
E-Mail: [info@elco.cn](mailto:info@elco.cn)  
[www.elco-holding.com.cn](http://www.elco-holding.com.cn)

**Elco Industrie Automation GmbH**

Benzstrasse 7  
71720 Oberstenfeld,  
Deutschland  
Office Phone: +49 7062 / 6599-260  
E-Mail: [info@elco-automation.de](mailto:info@elco-automation.de)  
[www.elco-automation.de](http://www.elco-automation.de)

**Elco Automation LLC**

1097 Highway 101 South, Suite D-3 Greer  
South Carolina 29651, USA  
Office Phone: +1 864-581-7431  
E-Mail: [infousa@elcoautomation.com](mailto:infousa@elcoautomation.com)  
[www.elcoautomation.com](http://www.elcoautomation.com)

**Elco Industrial Automation Pvt Ltd.**

No 80, 1<sup>st</sup> Main, 2<sup>nd</sup> Cross, Royal Enclave,  
Sidedahalli, Nagasandra Bangalore 560073, India  
Office Phone: +91-7259931777  
E-Mail: [info@elcoautomation.in](mailto:info@elcoautomation.in)  
[www.elcoautomation.com](http://www.elcoautomation.com)

**Elco Automation Korea Ltd.**

706, 17 Daehak 4-ro, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea, 16226  
Office Phone: +82-31-216-7890  
E-Mail: [sales@elcoautomation.co.kr](mailto:sales@elcoautomation.co.kr)  
[www.elcoautomation.com](http://www.elcoautomation.com)