



AL14R.RX

RADIO CAN BUS MODULE



- Receiver radio module for remote machinery control
- Designed to operate in systems with high safety level architectures
- Excellent signal reception and a reliable radio link over a wide area
- External antenna
- Metal case and the ILME type connector
- Suitable for harsh working environments.

#### TECHNICAL FEATURES

<b>MASTER CODE</b>	AL14R.RX
<b>POWER SUPPLY</b>	9-36 VDC CURRENT CONSUMPTION: 30 mA (standby) – 100 mA (active) @ 24VDC
<b>RADIO FEATURES</b>	FREQUENCY: 433,92 MHz MODULATION: 2-GFSK ANTENNA: EXTERNAL
<b>RADIO PROTOCOL</b>	MONODIRECTIONAL LINK HAMMING DISTANCE = 4 SAFETY STOP INTERVENTION TIME < 0,5s
<b>CONNECTIONS</b>	MAIN: ILME 16-PIN CNEF16T ANTENNA: SMA socket
<b>CASE</b>	METAL CASE
<b>PROTECTION</b>	SMA ANTENNA: IP65
<b>WORKING TEMPERATURE</b>	-40°C +85°C
<b>OUTPUT</b>	14 DIGITAL OUTPUT MAX 3 A
<b>CYCLE TIME</b>	RADIO CONNECTION: 50 ms



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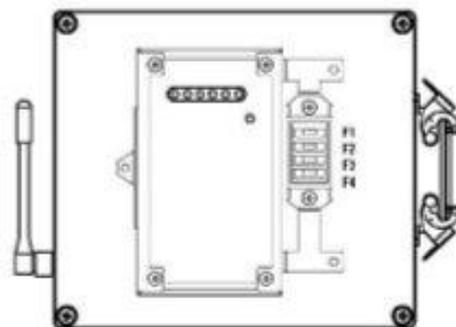


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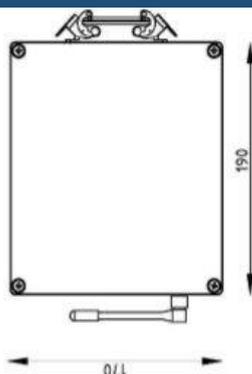
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STANDARDS

<b>ELECTROMAGNETIC (EMC)</b>	ACCORDING TO DIRECTIVE 2014/30/EU: EN 61000-6-4 EN 61000-6-2 EN 50498
<b>ROAD VEHICLES</b>	ISO 7637-2: 2011 ISO 11452-1: 2005
<b>INFORMATION TECHNOLOGY EQUIPMENT – SAFETY</b>	EN 60950-1
<b>RADIO SPECTRUM MATTERS (RED)</b>	ACCORDING TO DIRECTIVE 2014/53/EU: ETSI EN 300.220-1 ETSI EN 300.220-2 ETSI EN 301.489-1 ETSI EN 301.489-3

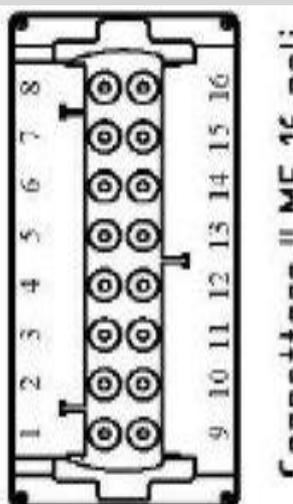


SIZE (mm)



CONNECTOR PINOUT

MAIN CONNECTOR



PIN	DESCRIPTION	PIN	DESCRIPTION
1	POSITIVE POWER SUPPLY	9	OUTPUT 7
2	GND	10	OUTPUT 8
3	OUTPUT 1	11	OUTPUT 9
4	OUTPUT 2	12	OUTPUT 10
5	OUTPUT 3	13	OUTPUT 11
6	OUTPUT 4	14	OUTPUT 12
7	OUTPUT 5	15	OUTPUT 13
8	OUTPUT 6	16	OUTPUT 14

SMA EXTERNAL CONNECTOR



**WHIP ADJUSTABLE ANTENNA**  
SMA PLUG  
433 MHz BAND  
Housed in a rugged flexible plastic



**PUK RUGGED ANTENNA**  
SMA PLUG with RG174 CABLE LENGHT 1,5 m  
433 MHz BAND  
Housed in waterproof IP67 rugged low-profile  
Fixed through M14



NOTE