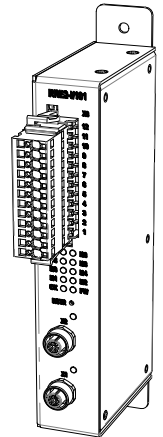


# RRE2-I/101

Fast digital inputs unit with Ethernet interface

- 8 × Digital input with galvanical insulation
- LED indication
- 2 × Ethernet, communication speed 10/100 Mbps
- Power supply 24 V DC
- Mounting on base plate
- Design according to EN 50155:2007



## TECHNICAL DATA

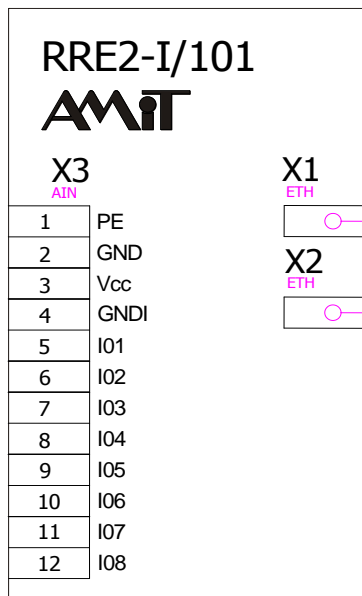
<b>Digital inputs</b>	8 ×
Input voltages range	0 V to 33.6 V DC
Input frequency range	0 Hz to 10 kHz
Input signal duty cycle	1:1, 1:10
Galvanic separation	Yes
Insulation strength	1000 V AC / 1 minute *)
Indication	8 × LED on front panel
Connection point	Connector WAGO 769-671/003-000
<b>Ethernet interface</b>	2 ×
Communication rate	10 / 100 Mbps
Galvanic separation	Yes
Galvanic separation strength	1000 V AC / 1 minute *)
Connection point	M12 connector according to IEC 61375-3-4
<b>Power supply voltage</b>	16.8 V to 33.6 V DC
Maximum power consumption	0.15 A at 24 V DC
Peak inrush current	150 A < 200 μs
Connection point	Connector WAGO 769-671/003-000
<b>Others</b>	
Ingress protection rate	IP20 (when installed)
Operating temperature	-40 °C to 70 °C
Storage temperature	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	2 × hole ø 5.5 mm
Weight	0.75 kg
Dimensions (w × h × d)	(35 × 234 × 124) mm

\*) Insulation must not be used for dangerous voltage separation.

## ORDERING INFORMATIONS

<b>RRE2-I/101</b>	Fast digital inputs unit, WAGO connector counterpart, Certificate of product quality and completeness, Routine testing protocol, Insulation testing protocol
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**RECOMMENDED DRAWING  
SYMBOL**



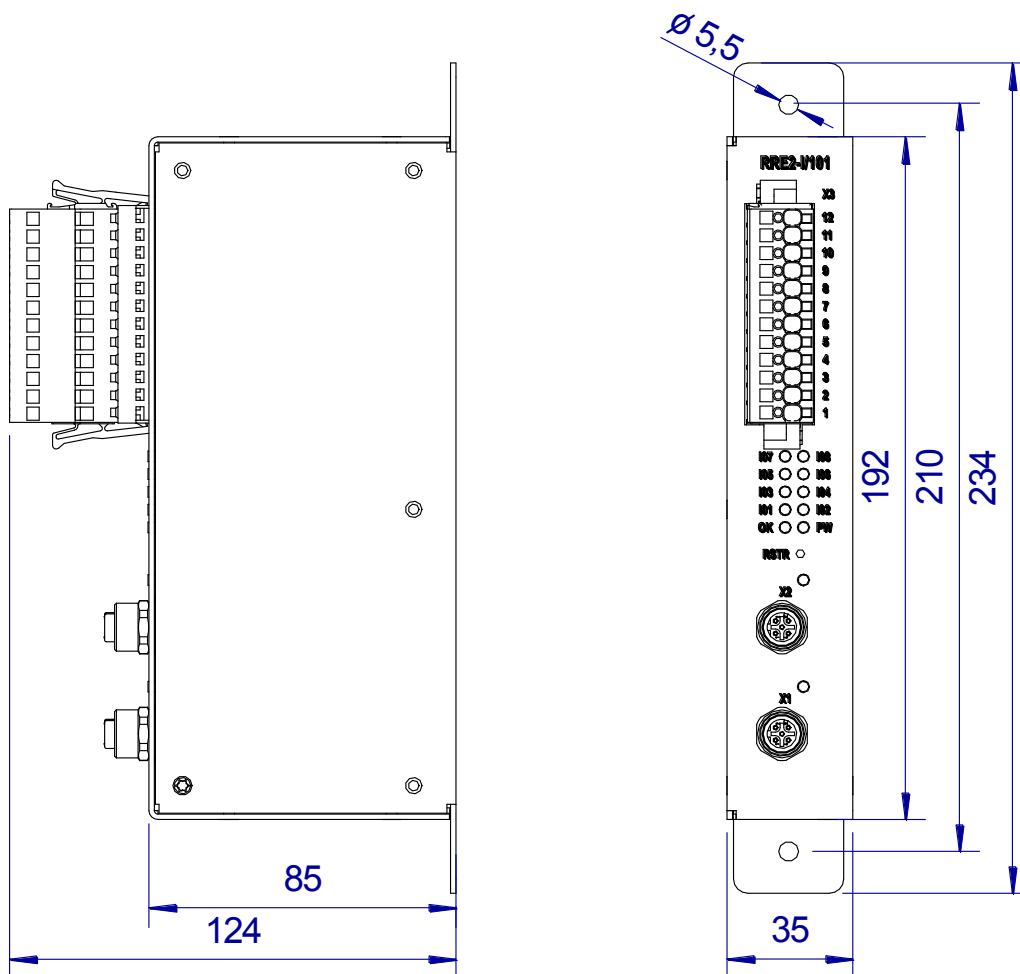
**CONNECTORS SPECIFICATION**

Connector	Meaning
X1, X2	Ethernet
X3	Power supply, Digital inputs

**MEANING OF X3 CONNECTOR TERMINALS**

PIN	Signal	Meaning of signal RRE2-I/101
1	PE	Unit chassis
2	GND	Power supply, GND
3	Vcc	Power supply, +24 V DC
4	GNDI	Digital inputs reference GND
5	I01	Digital input 1
6	I02	Digital input 2
7	I03	Digital input 3
8	I04	Digital input 4
9	I05	Digital input 5
10	I06	Digital input 6
11	I07	Digital input 7
12	I08	Digital input 8

**MECHANICAL DIMENSIONS**



Data provided in this datasheet are only informative. Detailed information can be found in operational manual (rre2-i101\_d\_en\_10x). Documentation can be downloaded from [www.amit-transportation.cz](http://www.amit-transportation.cz) web site.