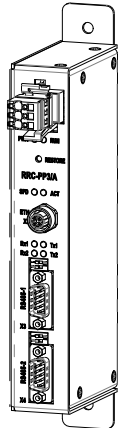


RRC-PP3/A

Communication converter

- 2 × RS485 interface with galvanic separation
- 1 × Ethernet, communication speed 10/100 Mbps
- Power supply 24 V DC
- Mounting on base plate
- Design according to EN 50155:2007



TECHNICAL DATA

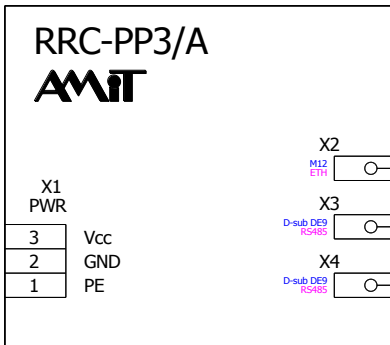
RS485 interface	2×
Galvanic separation	Yes
Galvanic separation strength	500 V AC / 1 minute *)
Oversvoltage protection	600 W
Line termination	Internal DIP switch
Connection point	D-sub DE-9 plug connector fixing by UNC4-40 bolt
Max. number of stations on segment	32
Ethernet interface	1×
Communication rate	10 / 100 Mbps
Galvanic separation	Yes
Galvanic separation strength	500 V AC / 1 minute *)
Connection point	M12 type connector according to IEC 61375-3-4
Nominal power supply voltage	24 V DC
Power supply voltage range	16.8 V to 33.6 V DC
Maximum power consumption	100 mA at 24 V DC
Peak inrush current	Max. 350 A / < 300 μs
Others	
Ingress protection rate	IP20
Operating temperature range	-40 °C to 70 °C
Storage temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	2 × hole Ø 6 mm
Weight	0.7 kg ±5 %
Dimensions (w × h × d)	(33 × 228 × 91) mm

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

ORDERING INFORMATION

RRC-PP3/A	Communication converter, WAGO connector counterpart, Operation manual, Routine testing protocol, Insulation testing protocol, Certificate of product quality and completeness.
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RECOMMENDED DRAWING SYMBOL



CONNECTOR X1 (POWER SUPPLY)

Terminal	Label	Meaning
1	PE	Unit chassis
2	GND	Power supply, ground
3	Vcc	Power supply, +24 V DC

KONEKTOR X2 (ETHERNET)

Terminal	Meaning
1	Tx+
2	Rx+
3	Tx-
4	Rx-

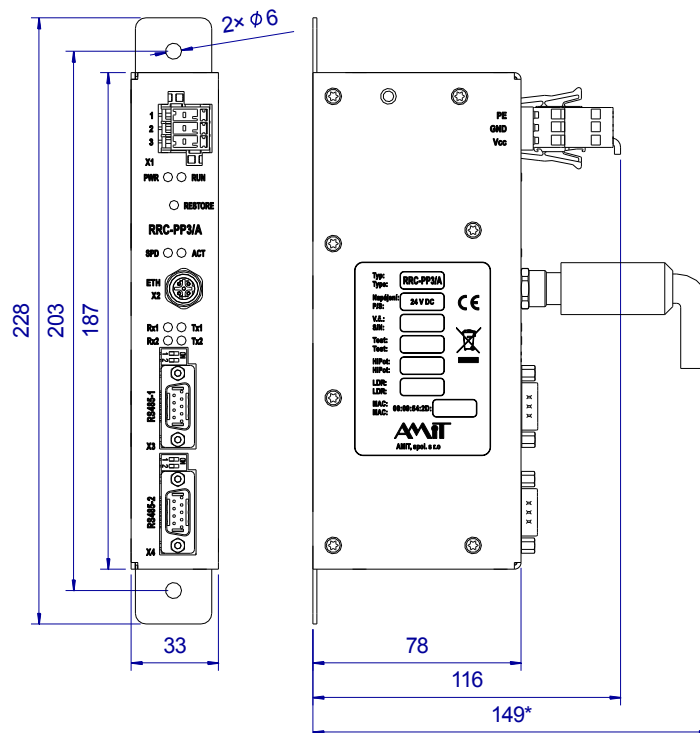
X3 AND X4 CONNECTORS (RS485)

Terminal	Label	Meaning
1	-	Not used
2	-	Not used
3	-	Not used
4	A	Positive line RS485
5	-	Not used
6	-	Not used
7	G485	RS485 line ground
8	Shield	RS485 line, shield
9	B	Negative line RS485

MEANING OF LEDS

LED	Status	Meaning
PWR	Lights	Power supply OK
RUN	-	Depends on used software
SPD	Does not light	Ethernet communication speed 10 Mbps
	Lights	Ethernet communication speed 100 Mbps
ACT	Blinks	Communication takes place via Ethernet
	Lights	Ethernet cable connection detection
Tx1	Blinks	Unit is sending data on RS485-1 interface
Rx1	Blinks	Unit is receiving data from RS485-1 interface
Tx2	Blinks	Unit is sending data on RS485-2 interface
Rx2	Blinks	Unit is receiving data from RS485-2 interface

MECHANICAL DIMENSIONS



Note:

*) This is only approximate dimension. Dimension depends on the type of connector and cable bend radius.

Data provided in this datasheet are only informative. Detailed information can be found in operational manual (rrc-pp3a_g_en_XXX.pdf). Documentation and examples can be downloaded from www.amit-transportation.cz web site, or from AMIT company CD.