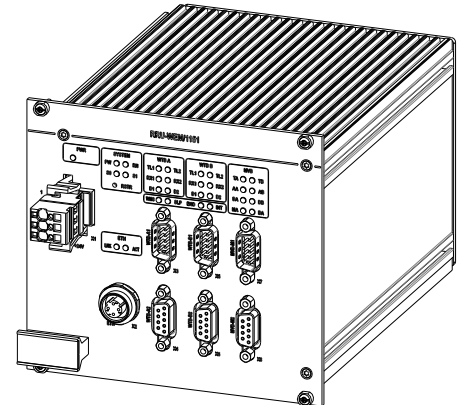


RRU-WEM/1158

WTB / Ethernet / MVB gateway

- 1 × WTB interface (with doubled line)
- 1 × Ethernet 100 Mbps (connector M12)
- 1 × MVB interface in EMD version (doubled line)
- Mounting into 19" subrack
- Power supply 110 V DC
- Design according to EN 50155:2007
- WTB interface complies with IEC 61375-1:2012 standard.



TECHNICAL DATA

WTB interface	1 × (doubled line)
Communication rate	1 Mbps ±0.01 %
Galvanic isolation	Yes, 1000 V AC / 1 minute ¹⁾
Connection point	4 × D-sub DE-9 connector fixing by M3 bolt
MVB interface	1 × (doubled line)
Communication rate	1.5 Mbps ±0.01 %
Interface type	EMD
MVB Classification	Class 5 without BA
Galvanic isolation	Yes, 1000 V AC / 1 minute ¹⁾
Connection point	2 × D-sub DE-9 connector fixing by M3 bolt
Ethernet interface	1 ×
Communication rate	100 Mbps
Galvanic isolation	Yes, 1000 V AC / 1 minute ¹⁾
Connection point	M12 type connector according to IEC 61375-3-4:2014, D-coding
Power supply	77 V DC to 138 V DC
Power consumption	Max. 100 mA at 110 V DC
Connection point	Connector WAGO 769-633/003-000
Others	
Ingress protection rate	IP20 ²⁾
Operating temperature	-40 °C to 70 °C
Storage temperature	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	1.56 kg
Dimensions in standard units (w × h)	28 HP × 3 U ³⁾
Dimensions (w × h × d)	(142 × 129 × 204) mm

¹⁾ Galvanic isolation must not be used for dangerous voltage separation.

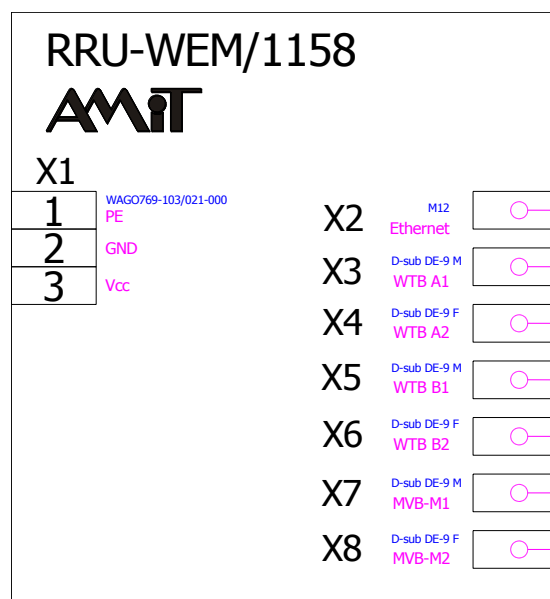
²⁾ After all cable connectors are connected.

³⁾ 1 HP (horizontal pitch) = 0.2 inch (5.08 mm)
1 U (rack unit) = 1.75 inch (44.45 mm)

ORDERING INFORMATION

RRU-WEM/1158	WTB / Ethernet / MVB gateway, Power supply connector counterpart, Certificate of product quality and completeness, Routine test protocol, Insulation test protocol.
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RECOMMENDED DRAWING SYMBOL



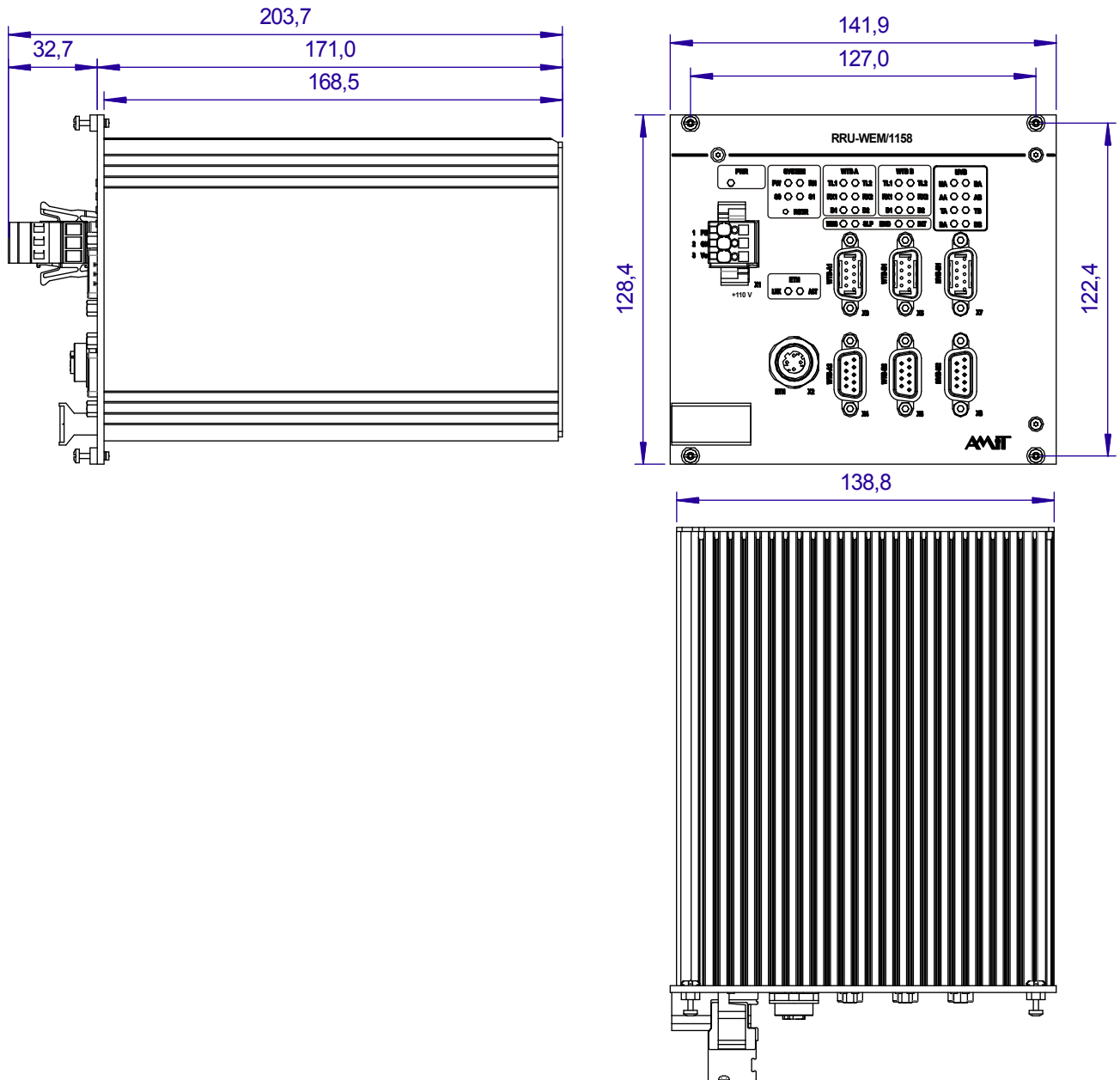
TERMINALS IDENTIFICATION

Connector	PIN	Label	Description
X1	1	PE	Unit chassis.
	2	GND	Power supply, negative pole
	3	Vcc	Power supply, positive pole
X2		ETH	Ethernet
X3		WTB A1	WTB line A, direction 1
X4		WTB A2	WTB line A, direction 2
X5		WTB B1	WTB line B, direction 1
X6		WTB B2	WTB line B, direction 2
X7		MVB M1	MVB line M1
X8		MVB M2	MVB line M2

RRU-WEM/1158

WTB / Ethernet / MVB gateway

MECHANICAL DIMENSIONS



Data provided in this datasheet are tentative. Details can be found in Operation manual ([rru-wem1158_g_en_xxx.pdf](#)). Documentation and examples can be downloaded from www.amit-transportation.com web site.