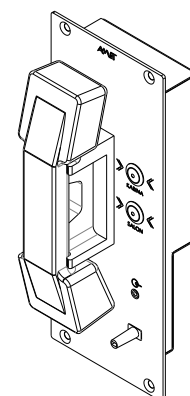


# RRAM-MCT/A1

Microtelephone for rolling stock

- Digital transmission of audio signal over Ethernet
- Two buttons control
- External input for audio signal
- 1 × speaker output for audio monitoring
- Stainless steel panel for mounting into the wall
- Design according to EN 50155:2007



## TECHNICAL DATA

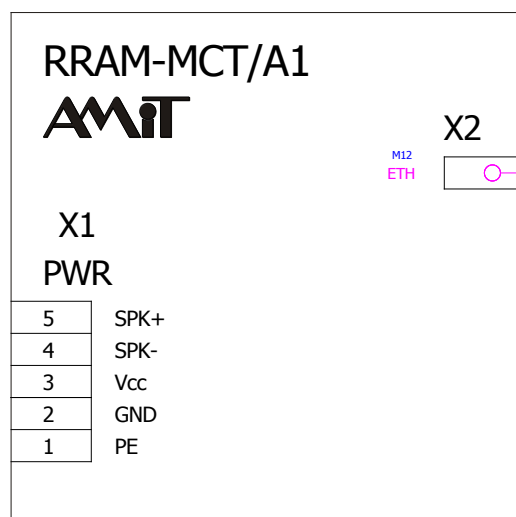
<b>Phone handset</b>	
Handset fixation	Magnetic holder
<b>Buttons</b>	2 × anti-vandal type
Button diameter	12 mm
Backlight	Green LED
Lifetime	Min. 500 000 presses
<b>Input</b>	1 × audio signal
Signal amplitude	1 V pp.
Connection point	Jack 3.5 mm on panel
<b>Monitoring output</b>	1 × audio signal for the speaker
Permanent sinus power	1 × 2 W (THD = 1 %)
Recommended loudspeaker	Min. 8 Ω, 5 W
Connection point	WAGO769-105 connector
<b>Ethernet</b>	1 × 10/100 Mbps
Connection point	M12 connector (IEC 61375-3-4 ed.1)
<b>Power supply</b>	16.8 V to 33.6 V DC
Power consumption	Max. 0.25 A at 24 V DC
Connection point	WAGO 769-105 connector
<b>PoE powering</b>	48 V DC ±10 %
PoE device class	TBD
<b>Others</b>	
Ingress protection rate	
– front panel	IP40
– rear panel	IP20
Operating temperature	-30 °C to 70 °C
Storage temperature	-30 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	Into wall
Weight	1.8 kg
Dimensions (w × h × d)	(120 × 300 × 106) mm *)

\*) Depth of microtelephone including handset

## ORDERING INFORMATION

<b>RRAM-MCT/A1</b>	Microtelephone, WAGO connector counterpart, Certificate of product quality and completeness, Routine testing protocol, Insulation testing protocol
--------------------	--

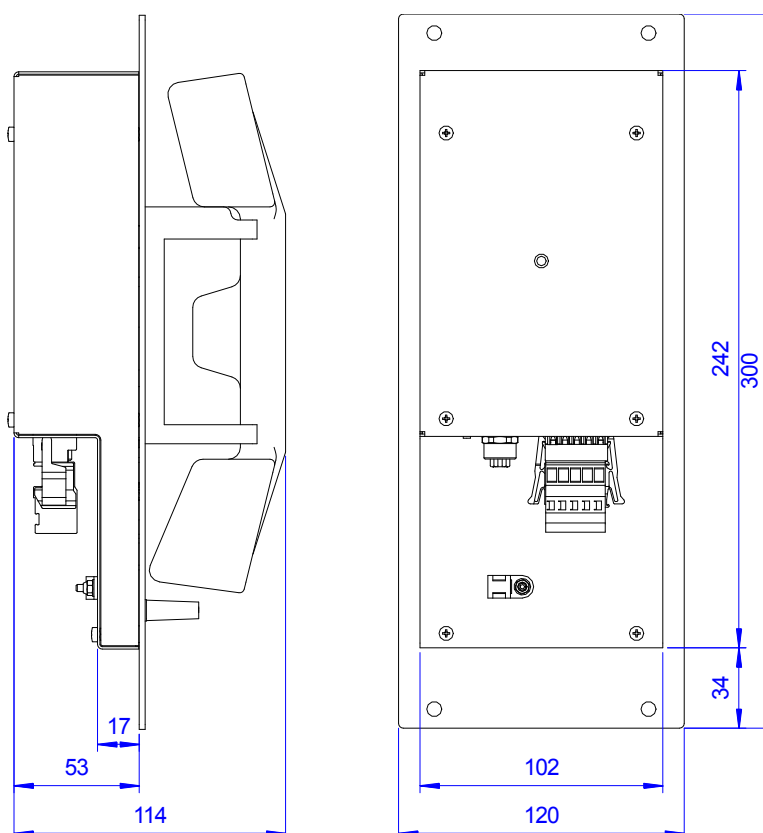
## RECOMMENDED DRAWING SYMBOL



## TERMINAL'S IDENTIFICATION

Connector	PIN	Signal	Signal type on RRAM-MCT/A1
X1	1	PE	Unit chassis
	2	GND	Power supply, GND
	3	Vcc	Power supply, +24 V DC
	4	SPK+	Audio monitoring speaker +
	5	SPK-	Audio monitoring speaker -

## MECHANICAL DRAWING



Data provided in this datasheet are only informative. Detailed information can be found in operational manual ([rram-mcta1\\_g\\_en\\_xxx.pdf](#)). Documentation can be downloaded from [www.amit-transportation.cz](http://www.amit-transportation.cz) web site.