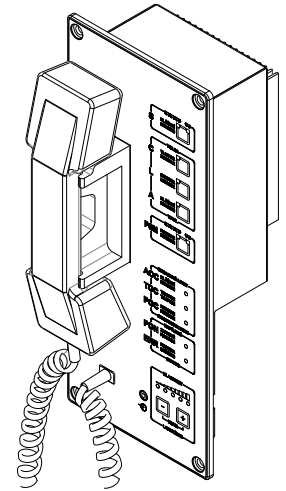


# RRAM-MCT/E2

UIC audio gateway

- 2 × power audio out
- 1 × input for external audio signal
- 2 × Ethernet 100 Mbps, M12
- 1 × RS485 for compartment unit
- 1 × UIC interface
- Wall mounting
- Design according to EN 50155
- Device meets the UIC558 and UIC568 requirements



## TECHNICAL DATA

<b>Phone handset</b>	
Handset fixation	Magnetic holder
<b>Buttons</b>	7 × buttons under foil with LED indication
Lifetime	10 <sup>6</sup> operations each button
<b>External audio input</b>	1 × audio signal
Signal amplitude	1 V pp.
Connection point	3.5 mm jack stereo
<b>Power audio output</b>	2 ×
Permanent output sine wave power (THD = 1 %)	30 W each channel
Peak music power output	48 W each channel
Minimum load impedance	4 Ω / channel
Connection point	WAGO 769-670/003-000
<b>Audio interface</b>	
Standard	UIC558, UIC568
Connection point	WAGO 769-668/003-000
<b>Communication</b>	
Ethernet interface	2 × Ethernet 100 Mbps, M12, D-Code
Compartment units connection	RS485 with galvanic separation
RS485 connection point	WAGO 769-670/003-000
<b>Power supply</b>	16.8 V to 30 V DC
Power consumption	400 mA at 24 V DC*)
Connection point	WAGO 769-670/003-000
<b>Others</b>	
Ingress protection rate – front panel	IP40
– rear panel	IP20
Operating / storage temperatures range	-40 °C to 70 °C
Maximum ambient humidity	< 95 %, non-condensing
Mounting	On the wall
Weight	2.50 kg
Dimensions (w × h × d)	(140 × 330 × 149) mm **)

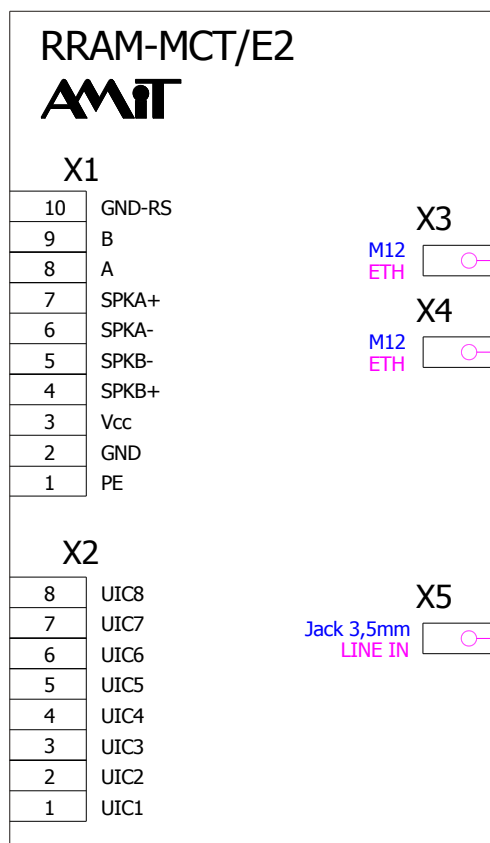
\*) Without power amplifier excitation

\*\*\*) Depth of exchange unit including handset

## ORDERING INFORMATION

<b>RRAM-MCT/E2</b>	UIC audio gateway, WAGO connector counterpart, Operation manual, Warranty certificate, Routine testing protocol, Insulation testing protocol
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## RECOMMENDED DRAWING SYMBOL

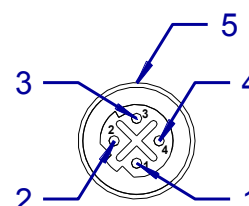


### TERMINALS IDENTIFICATION

System connector	PIN	Signal	Signal type on RRAM-MCT/E2
X1	1	PE	Unit chassis
	2	GND	Power supply, ground
	3	Vcc	Power supply, +24 V DC
	4	SPKB+	Audio out B +
	5	SPKB-	Audio out B -
	6	SPKA-	Audio out A -
	7	SPKA+	Audio out A +
	8	A	RS485 line, signal A
	9	B	RS485 line, signal B
	10	GND-RS	RS485 line, ground

UIC interface	PIN	Signal	UIC558 Signal type	UIC558 conductor number
X2	1	UIC 1	NF link to main amplifiers +	1
	2	UIC 2	NF link to main amplifiers -	2
	3	UIC 3	Phone link +	3
	4	UIC 4	Phone link -	4
	5	UIC 5	Public address system +	5
	6	UIC 6	Public address system -	6
	7	UIC 7	Priority for announcements +	7
	8	UIC 8	Priority for announcements -	8

ETHERNET connector	PIN	Signal	Signal type on RRAM-MCT/E2
X3, X4	1	Tx+	Positive data transmit signal
	2	Rx+	Positive data receive signal
	3	Tx-	Negative data transmit signal
	4	Rx-	Negative data receive signal
	5	SHLD	Shield



## RRAM-MCT/E2

UIC audio gateway

### MECHANICAL DRAWING

