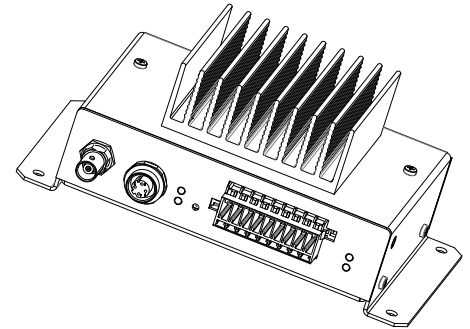


# RRAM-PWA/B1

Amplifier for Rolling Stock

- The audio amplifier with power output  $2 \times 30 \text{ W}$
- Digital transmission of audio over Ethernet
- External microphone input
- LED indication
- On-wall mounting, passive cooling
- Designed in accordance with EN 50155



## TECHNICAL DATA

|                                   |   |
|-----------------------------------|---|
| <b>Output power *)</b>            |   |
| Permanent sinus power (THD = 1 %) | $2 \times 30 \text{ W}$                                     |
| Peak music power                  | $2 \times 48 \text{ W}$                                     |
| <b>Outputs</b>                    |   |
| Min. load impedance               | $4 \Omega$ / channel **)                                    |
| Connection place                  | WAGO769-669   |
| <b>Microphone input</b>           |   |
| Microphone power supply           | Phantom power 3 V to 3.5 V, SW controllable                 |
| Signal amplitude                  | 1 V pp. max.  |
| Input impedance                   | $600 \Omega$  |
| Connection place                  | BNC   |
| <b>Communication</b>              |   |
| Interfaces                        | Ethernet 10/100 Mbps  |
| Connection place                  | M12, LED indication ACT and LINK                            |
| <b>Power supply</b>               | 16.6 V DC to 33.6 V DC                                      |
| Max. power consumption            | 3.2 A at 24 V DC #)   |
| Connection place                  | WAGO 769-669  |
| <b>Others</b>                     |   |
| Cover protection rate             | IP20  |
| Operating temperature             | $-40 \text{ }^\circ\text{C}$ to $70 \text{ }^\circ\text{C}$ |
| Storage temperature               | $-40 \text{ }^\circ\text{C}$ to $70 \text{ }^\circ\text{C}$ |
| Max. ambient humidity             | < 95 % non-condensing                                       |
| Weight                            | 930 g   |
| Dimensions (w × h × d)            | (186 × 74 × 170) mm   |

\*) At rated load impedance, power supply voltage  $V_{IN} = 24 \text{ V DC}$  and ambient temperature  $+25 \text{ }^\circ\text{C}$ .

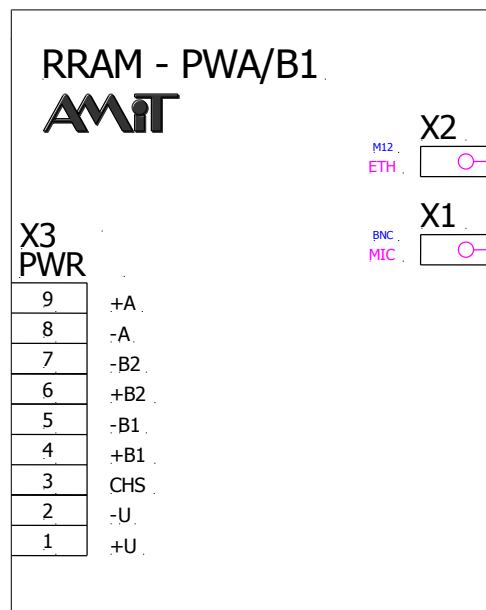
\*\*) If channels B1 and B2 works simultaneously, than impedance for individual channel must be at least  $8 \Omega$ .

#) At rated power  $2 \times 30 \text{ W}$  into load  $4 \Omega$  / channel and power supply voltage  $V_{IN} = 24 \text{ V DC}$ .

## ORDERING INFORMATION

|             |   |
|-------------|---|
| RRAM-PWA/B1 | Amplifier, WAGO connector counterpart, user's manual, warranty card, production test report, insulation test report |
|-------------|---|

## RECOMMENDED DIAGRAM SYMBOL



### **TERMINALS ASSIGNMENT**

| Connector | PIN | Signal | Signal type on RRAM-PWA/A |
|-----------|-----|--------|---------------------------|
| X1        | 1   | +U     | Power supply +24 V        |
|           | 2   | -U     | Power supply, ground      |
|           | 3   | CHS    | Unit frame                |
|           | 4   | +B1    | Output + of channel B1    |
|           | 5   | -B1    | Output - of channel B1    |
|           | 6   | +B2    | Output + of channel B2    |
|           | 7   | -B2    | Output - of channel B2    |
|           | 8   | -A     | Output - of channel A     |
|           | 9   | +A     | Output + of channel A     |

### **PHYSICAL DIMENSION**

