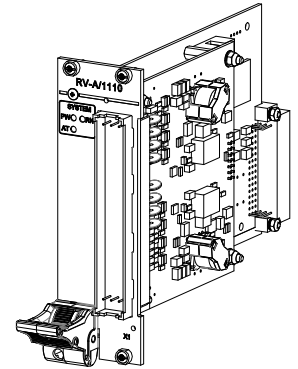


RV-A/1110

12 analogue inputs

- 12 × analogue input 0 mA to 30 mA
- Galvanically separated groups
- Output power supply of sensors 24 V DC for each group
- Internal communication interface RAVA BUS
- Mounting in to 19" subrack RV-RC0xx
- Design according EN 50155:2007



TECHNICAL DATA

Analogue inputs	
Range	12 × current 0 mA to 30 mA
Number of galvanically separated groups	3 ×
Number of signals in group	4 ×
Galv. separation/ insulation strength *)	Yes, 1000 V AC / 1 minute
Indication	3 × LED on front panel
A/D converter bit resolution	16 bits
Range resolution	0.02 %
Range accuracy	0.5 %
Measuring cycle **)	10 ms
Connection point	DIN41612 connector, 48 pins, type F
Current / maximum power consumption	Internal 24 V DC from subrack / 150 mA
Output power supply of sensors	23 V DC to 25 V DC / 120 mA
Shortcut protection	Yes
Overload protection	Yes
Galvanic separation of SELV inputs and outputs	Yes
Others	
Mechanics	Subrack RV-RC0xx plug-in card
Number of occupied subrack positions	2
Ingress protection rate	IP20 (when installed)
Operating temperature range	-40 °C to 70 °C
Storage temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 %, non-condensing
Weight	300 g
Dimensions in standard units (w × h ***)	8 HP × 3 U
Dimensions (w × h × d)	(267 × 130 × 40) mm

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

***) Single measuring cycle represents measuring of level on all analogue inputs

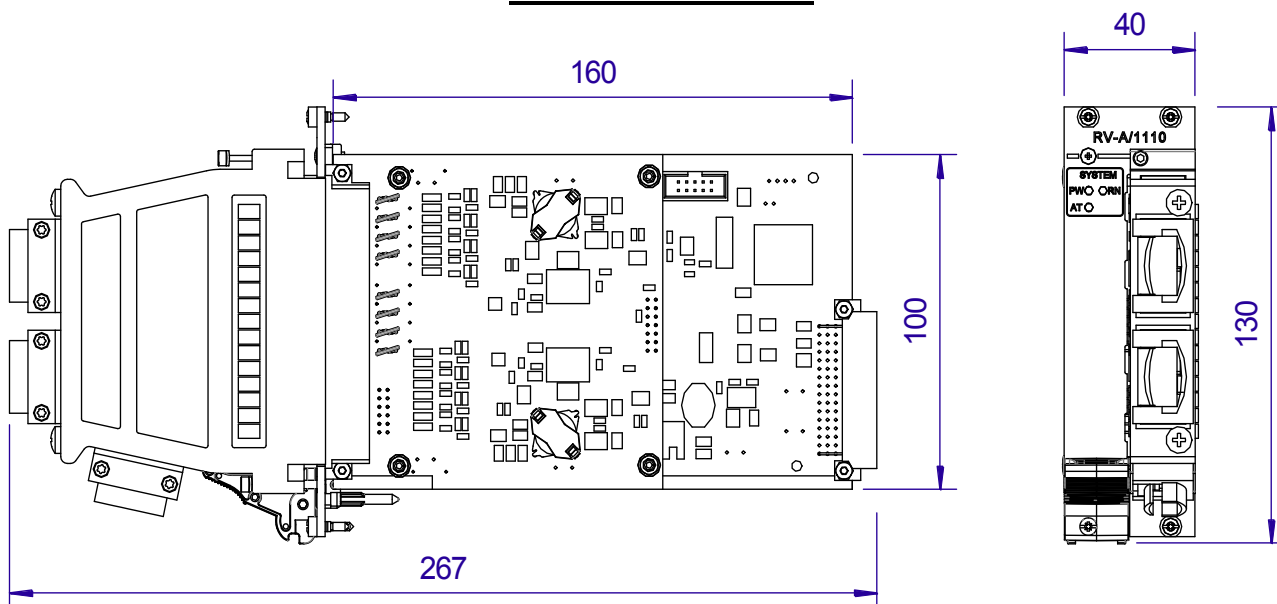
***) 1 HP (horizontal pitch) = 0.2 inch (5.08 mm)

1 U (rack unit) = 1.75 inch (44.45 mm)

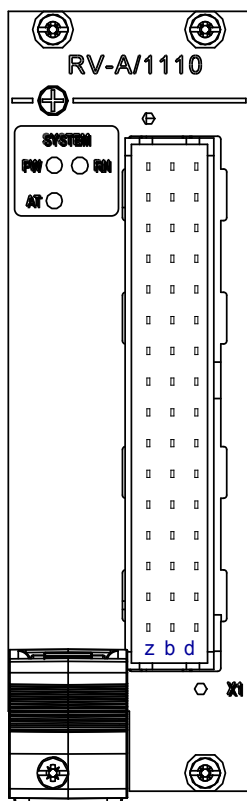
ORDERING INFORMATIONS

RV-A/1110	Card, operation manual, routine testing protocol, insulation testing protocol
09062483201	Cable connector DIN41612, type F
09060008482	Crimping pin for 0.5 mm ² to 1.5 mm ² cable (1 piece)
09068480551	Metal case
09068009955	Metal cable gland
09068009951	Metal plug

CARD DIMENSIONS



CONNECTOR PINOUT



32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2

X1	z	b	d
2	AI01	AGND1	V+01
4	AI02	AGND1	V+02
6	AI03	AGND1	V+03
8	AI04	AGND1	V+04
10	AGND1	AGND1	AGND1
12	AGND2	AGND2	AGND2
14	AI05	AGND2	V+05
16	AI06	AGND2	V+06
18	AI07	AGND2	V+07
20	AI08	AGND2	V+08
22	AGND2	AGND2	AGND2
24	AGND3	AGND3	AGND3
26	AI09	AGND3	V+09
28	AI10	AGND3	V+10
30	AI11	AGND3	V+11
32	AI12	AGND3	V+12

Data provided in this datasheet are only informative. Detailed information can be found in operational manual ([rv-a1110_g_en_xxx.pdf](#)). Documentation and examples can be downloaded from www.amit-transportation.cz, or from company CD.