

Isolation Amplifier multi-channel

AD-TV 201 EV
AD-TV 202 EV
AD-TV 203 EV
AD-TV 204 EV

Description

The separation amplifier AD-TV 201-204 EV serves the galvanic separation of amplification, conversion or adjustment of analogue measuring signals. The slide-in card can contain up to 4 completely independent channels. With all channels input, output and supply voltage are galvanically separated. The channels are also completely insulated amongst each other. At each channel, input signal type and output signal type can be freely selected. A spindle trimmer is located at the front for direct adjustment. Due to the narrow construction (4 TE) up to 84 channels can be integrated in one standard module carrier. The multi-channel separation amplifier is also available in an extension housing (AD-TV 201-204 GA)

Application

Galvanic separation, adjustment, amplification and conversion of analogue measuring signals in up to 4 independent channels.

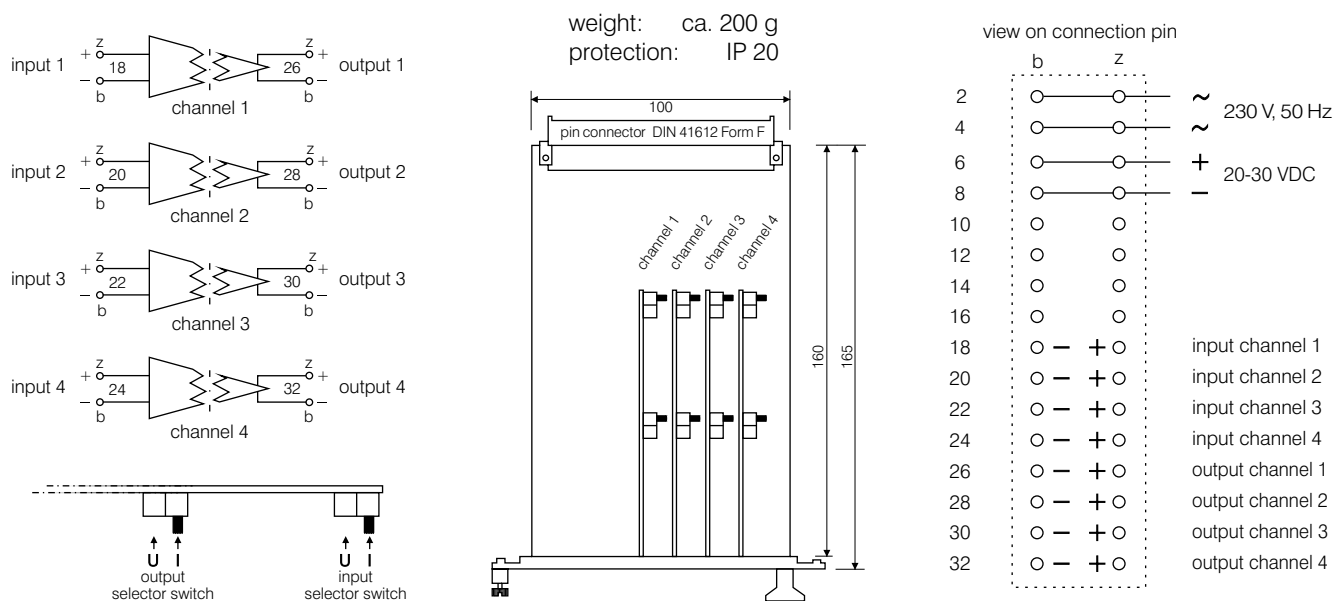


Specification

Construction type:	euro-board format 160x100 mm front 4 TE
Power supply:	230V AC +/-10% 50-60Hz (*) alternative 20-30V DC (*) internally galvanically isolated others on request
Power consumption:	approx. 11 VA resp. 5,4 W
Input:	0-20mA; 4-20mA; 0-10V; 2-10V each channel switch- and adjustable
Input impedance:	50 Ohm with current 100 kOhm with voltage
Output:	0-20mA; 4-20mA; 0-10V; 2-10V each channel switch- and adjustable
Output load:	max. 500 Ohm/20mA each channel min. 500 Ohm/10V each channel
Linearity error:	< 0,3%
Influence of temperature:	< 100 ppm/K
Ripple frequency:	< 50 m Vss
Insulation test voltage:	input/output: 2 kV RMS channel/channel 2 kV RMS signal/power supply 4 kV RMS AC/DC
Protective system:	input/output against over-voltage, polarity reversal, over-current power supply against over-voltage, over-current and over-temperature
CE-conformity:	EN 50081-2, EN 50082-2
Ambient temperature:	0 to 50°C

(*) values must be advised by order

Connections and dimensions: AD-TV 201 EV bis AD-TV 204 EV (the last digit defined the number of channels)



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