

Isolation amplifier

6KA 9901 Red.// 6KA9905 Red.

The Isolation Amplifier 6KA9901/05 Red. is a complete mount and function-compatible redesign of the no longer available model from the original equipment manufacturer Siemens.

The device is assembled in a hermetically sealed plastic housing for panel surface mounting with the assembly flange dimensions 85 x 80 mm, in accordance with the mounting hole clearance of 65 x 68 mm (M4).

The terminal assignment corresponds to the original module.

The isolation amplifier provides amplification in two ranges, which can be selected by divergent clamping.

The bridges between KL. 8 and KL. 9 range 60 m V//10V and KL. 6 and KL. 7 range 150 m V//10V, which are required for the original module, are not required in the redesign.

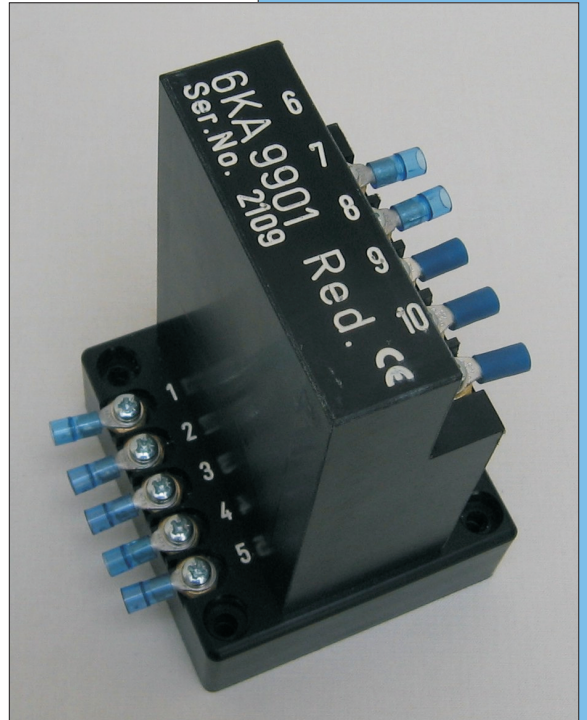
The galvanic isolation with max. 1000 V is situated between the input and the output of the device.

The output is connected to the ground of the supply voltage and supplies +/- 10 V at a maximum load of 5 mA .

The supply voltage amounts to nominal + 18 ...36 V ; however, the device can also be wired with + / - 24 V.

The terminal - 24 V is not internally connected.

The frequency range amounts to 800Hz -3 dB or rather 600Hz -3dB.



Technical data:

6KA9901: Input: 2 ranges + / - 60m V KL. 7/10; + / - 150m V KL. 8/10 (max. 20V)

6KA9905: Input: 4 ranges; 10V; 225V; 450V; 600V

Input resistance: ca. 10kOhm at 60m V / ca. 30kOhm at 150m V

Output : + / - 10 V (5 mA)

Isolation voltage: input // output 1000 V

Frequency range: 6KA9901 800 Hz-3 dB.; 6KA9905 600Hz-3dB

Supply voltage: + 18 ...36 V (+ / - 24 VDC)

Meantime by failure: 1.000.000 h

Dimensions: 85 x 80 x 140 mm

Assembly bore holes: 65 x 68 mm, M4 (M5)



DIE ENTWICKLER

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