

Product Datasheet - Technical Specifications



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ZU37BB/-CB/-CO

Connector Boards

Get connected. With standard.

The Euro-card sized connector boards ZU37BB, ZU37CB, and ZU37CO are the solution for comfortably connecting sensors and voltage signals to a PC measurement system. The integrated plug connector technologies are widely used in industry and connection technology.

BNC, banana, terminals.

You have the choice.

The three ZU37 versions have different connectors: the basic model with 4-pin terminal connectors (ZU37CO), the version with additional 4mm connectors for banana plugs (ZU37CB), or the connector panel combining BNC and 4mm-banana (ZU37BB) sockets. You will find the type corresponding to your needs!

16 analog inputs. 4 extra lines.

The ZU37BB/-CB/-CO features 16 connectors for analog inputs. Additional lines (e.g. analog outputs) can be attached to 4 further plug connectors.

Sensors well supplied.

Providing a supply voltage allows for the excitation of sensors connected to the 16 analog input terminals of the ZU37CB or ZU37CO. The supply level (low-voltage, <60V) can be chosen arbitrarily according to the requirements of the sensors.

Connection to the measurement system.

All connections on the board are directly led through to a D-Sub37 male to be connected to the input lines of a measuring amplifier or data acquisition system. The pin assignment corresponds to the default assignment of DAQ hardware from bmcm allowing a comfortable 1:1 connection.

DIN rail mounting.

The connector boards come with a DIN rail carrier with bracket to be easily mounted on a standard DIN rail as commonly used in electrical installation.

Overview

	ZU37BB	ZU37CB	ZU37CO
Signal connection	<ul style="list-style-type: none"> 4mm-jacks for banana plugs BNC sockets 	<ul style="list-style-type: none"> 4mm-jacks for banana plugs 4-pin connectors for pluggable screw terminal blocks 	<ul style="list-style-type: none"> 4-pin connectors for pluggable screw terminal blocks
Max. number of channels	16 + 4	16 + 4	16 + 4
Connection to the amplifier / DAQ system	D-Sub37 male	D-Sub37 male	D-Sub37 male
Other features	-	sensor supply at 16 channels	sensor supply at 16 channels
Accessories (optional)	-	ZU4ST: pluggable screw terminal blocks (packaging unit = 8)	ZU4ST: pluggable screw terminal blocks (packaging unit = 8)

Technical data (typical at 20°C, after 5min.)

Connections:

D-Sub37 male connector, 2x 4-pin terminal connectors; additionally:
 ZU37BB: 16x BNC female, 37x 4mm banana jacks; ZU37CO: 16x 4-pin terminal connectors;
 ZU37CB: 37x 4mm banana jacks, 16x 4-pin terminal connectors

Sensor supply (ZU37CB/ZU37CO):

at 4-pin terminal connector, available for Analog In 1-16, protected with multifuse (500mA)

Temperature range // Relative humidity:

-25°C..70°C // 0-90% (not condensing)

CE standards:

EN61000-6-1, EN61000-6-3, EN61010-1

ElektroG // ear registration:

RoHS and WEEE compliant // WEEE Reg.-No. DE75472248

Dimensions // Max. potentials:

167mm x 105mm x app. 35mm // **60V DC acc. to VDE**, max. 1kV ESD on open lines

Delivery:

board in DIN rail carrier, DIN rail attachment, small ribbon bases, description

Available accessory:

connecting cable ZUKA37SB, 4-pin screw-type terminal blocks ZU4ST (package of 8)

Guarantee:

2 years from date of purchase at bmcm, claims for damages resulting from improper use excluded