BLUELINE

PRIAMUS
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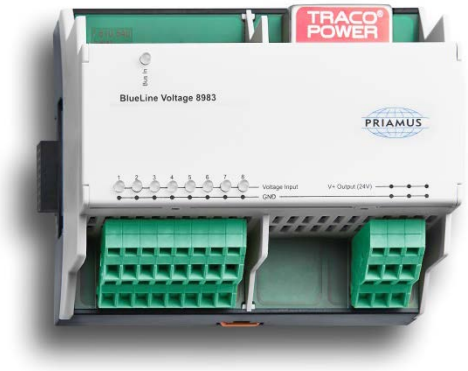
BlueLine Voltage Input Module

Type 8983A

- Extension module with analog inputs for BlueLine systems
- Recording of voltage signals for the BlueLine systems
- Ganvanically isolated against Bus-In / Out
- Each device on its own is galvanically isolated by separate power supply
- Supply of independent sensors available (e. g. pressure transmitters)
- Connection technology via Spring Terminal Blocks with separate GND per Input / Output
- Clearly arranged status display via dual-color LEDs
- Protected against short-circuit, excess voltage and reverse polarity
- Mechanically robust, space-saving, cascadable
- Connection with adjacent I/O modules without any cable connections (via top hat rail)



Description

Extension module with analog inputs for BlueLine systems

The BlueLine Voltage Input Module serves the basic recording of voltage signals as they are usually provided by injection molding machines in kind of 0…10 V output signals.
These are generally set and actual signals of the adjusted machine parameters (hydraulic pressure, screw position, injection rate and so on).
The voltage signals are measured in the FILLCONTROL-Software as analog signals and documented as quality parameters or used for control purposes.
The module is also prepared to be used for independent sensors as for example pressure transmitters.
In order to make a measuring signal available, the module provides the required supply voltage of 24V.
The device has been developed for installation in the control cabinet and is connected to the I/O Master by the „Bus-In"-pin. The following I/O Expanders or Bus Interfaces are connected via the top hat rail bus included in the delivery. This eliminates external cabling (if any) between the adjacent I/O modules. To enable bus signal transmission for remotely located bus modules, the Bus Interface Type 8982A is used as a connection ("adapter") between the top hat rail bus and the Hybrid-Bus connecting cable Type 1280A.

Technical Data (General)

Properties	Unit	Specification
Dimension (L x W x H)	mm	107.6 x 61 x 90
Weight	kg	0.223
Working temperature range	°C	0 ... 60
Storage temperature range	°C	-40 … 80
Conductor connection technology		Spring Terminal Blocks
Hot-plug		Yes
Assembly		Top hat rail
ESD protection	kV	4
RoHS-compliant		Yes

DS8983_092e Ed. 02.18
Subject to technical amendments
Projection method: First Angle Projection

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Technical Data (Power Supply)

Properties	Unit	Specifiction
Voltage range	V	18 … 36
Standby current consumption	mA	< 100
Max. power consumption	W	< 10
Power supply via bus		Yes
Galvanically isolated against Bus In / Out		Yes
Galvanically isolated against Inputs / Outputs		No

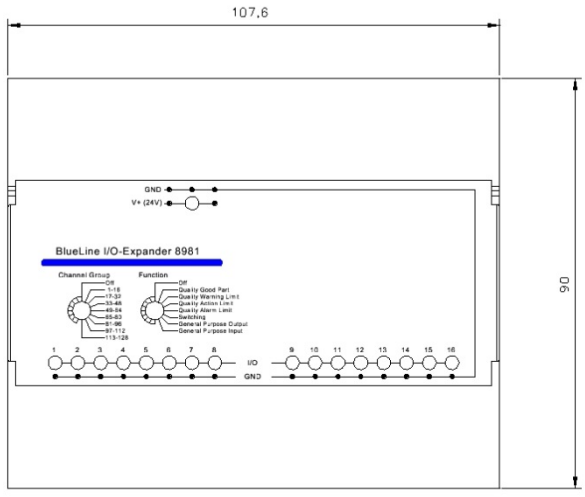
Technical Data (Inputs)

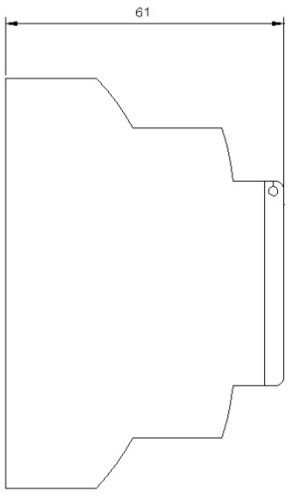
Properties	Unit	Specification
Number of voltage inputs		8
Measuring range	V	± 40
Resolution	Bit	16
Sensitivity	mV / bit	1.2
Frequency response	Hz	0 … 2000
Max. voltage	V	± 400
Input impedance	MΩ	> 1
Measuring error	%	0.1
Status LED color in case of positve voltage		green
Status LED color in case of negative voltage		orange

Technical Data (power supply output)

Properties	Unit	Specification
Voltage	V	24
Max. load	mA	250

Dimension [mm]





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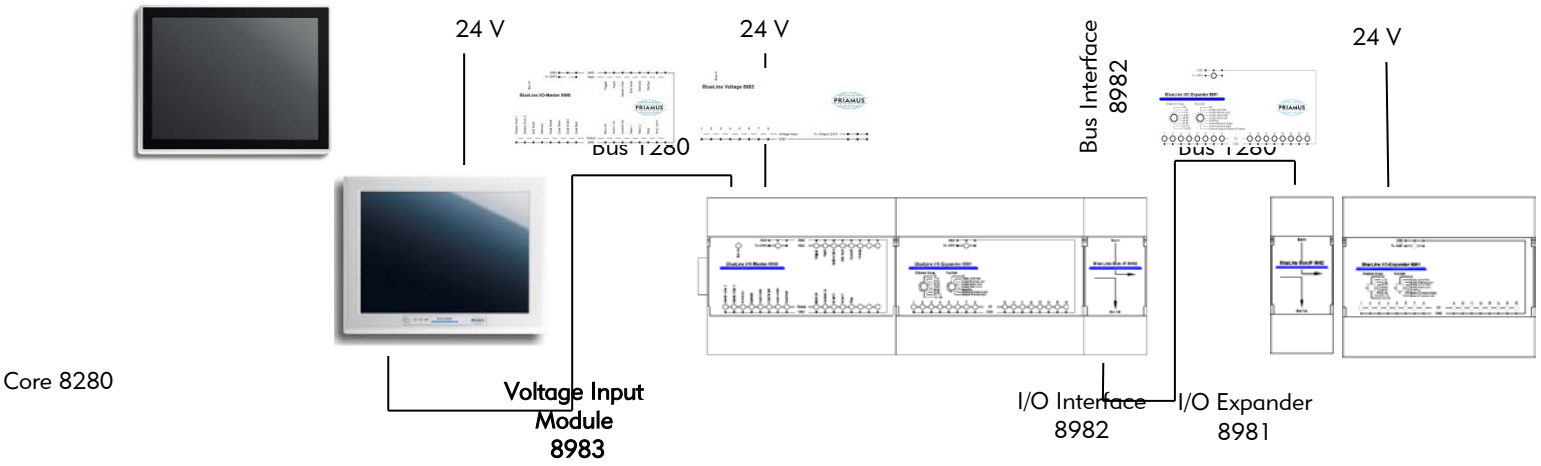
Wiring Example in the Bus

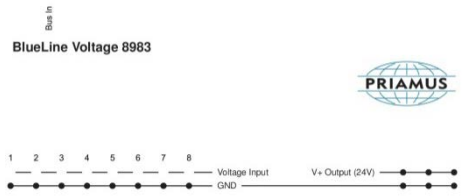


Accessories

Article	Type
BlueLine Core	8280
BlueLine Amplifier	5080
BlueLine I/O Master	8980
BlueLine I/O Expander	8981
BlueLine Bus Interface	8982
Proximity Switch	9015
Power Supply	9016
Top Hat Rail Set	9080
Hybrid Bus cable	1280
Ethernet cabel	1281

Order code

8983A



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