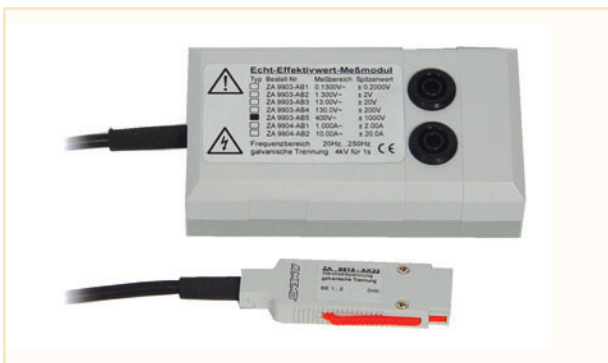


INPUT CONNECTORS

ALMEMO® Measuring Module for AC Voltage, with Electrical Isolation, 4kV



Technical Data:

see page 12.06

01/2005 We reserve the right to make technical changes.

Types:

Meas. range	Resolution	Peak	Overload	Internal resistance	
130.0mV _{rms}	0.1mV	0.2V	400V	0.5MΩ	Order No. ZA9903AB1
1.300V _{rms}	1mV	2V	400V	0.8MΩ	Order No. ZA9903AB2
13.00V _{rms}	10mV	20V	500V	1MΩ	Order No. ZA9903AB3
130.0V _{rms}	0.1V	200V	500V	1MΩ	Order No. ZA9903AB4
400V _{rms}	1V	1000V	1000V	4MΩ	Order No. ZA9903AB5

ALMEMO® Measuring Module for AC, with Electrical Isolation, 4kV



Technical Data:

see page 12.06

Types:

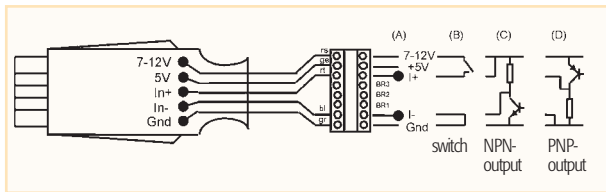
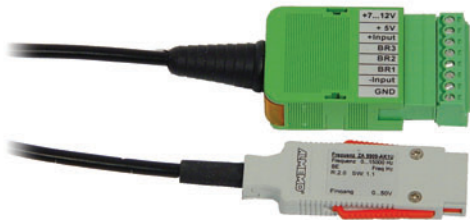
Meas. range	Resolution	Peak	Overload	Internal resistance	
1.000A _{rms}	1mA	2A	10A*	0.10Ω	Order No. ZA9904AB1
10.00A _{rms}	10mA	20A	20A*	0.01Ω	Order No. ZA9904AB2

*Without fuse, overload condition only up to 1 minute maximum

ADAPTER CABLES

ALMEMO® Adapter Cables for Frequency / Pulse / Rotational Speed

for sensors, Supply : 5 V / 7 to 9 V from the ALMEMO® device



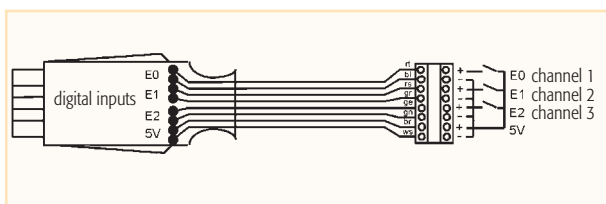
Technical Data:

Frequency range:	0 to 15000 Hz (Resolution 1 Hz) 0 to 3200.0 Hz (Resolution 0.1 Hz)
Speed range:	8 to 32000 rpm (Resolution: 1 rpm)
Max. pulse count:	65000
Pulse length:	> 50 µs
Input voltage	4 to 40 V, square-wave via optocoupler
Current consumption:	3 mA
Sensor supply:	5V / 7 ... 9V
Option V12	
Sensor supply:	13.5V ±0.5V
Output current:	100mA at U _G = 12V 50mA at U _G = 9V 20mA at U _G = 7V (U _G = device voltage)

Types (Cable lengths, 1.5 meters)

Model	Measuring range	Resolution	
Frequency	0 to 15000 Hz 0 to 3200.0 Hz	1 Hz 0.1 Hz	can, by inserting wire jumper, be switched to
Pulses / cycle	0 to 65000 pulses	1 pulse	Order No. ZA9909AK1U
Speed	8 to 32000 rpm	1 rpm	Order No. ZA9909AK2U
Option : sensor supply 12 V			Order No. ZA9909AK4U Order No. OA9909V12

ALMEMO® Adapter Cable for Digital Input Signals



Types: (cable length, 1.5m each)

3 digital inputs, (optocoupler), for floating contacts, 5V auxiliary voltage led out	Order No. ZA9000ES2
4 digital inputs, electrically isolated (optocoupler) for external voltage, 4 to 30 V	Order No. ZA9000EK2

01/2005 We reserve the right to make technical changes.