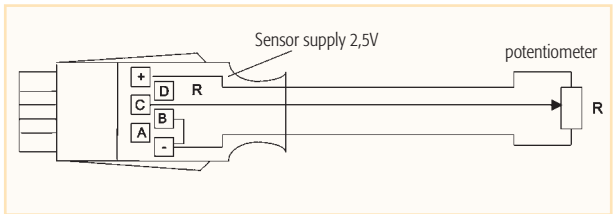


INPUT CONNECTORS

ALMEMO® Connectors for Potentiometer pickoffs



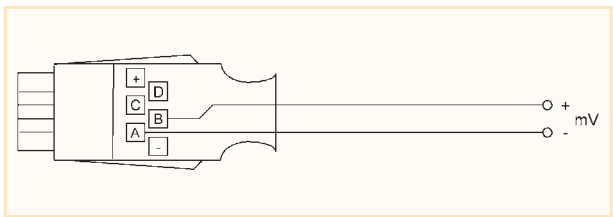
Technical Data:

Sensor supply:	2.5 V
Temperature coefficient:	< 50 ppm/K

Types:			Order No. ZA9025FS3
Model	Meas. Range	Resolution	
2.6 V DC (differential)	-2.6 to +2.6 *	0.1 mV	

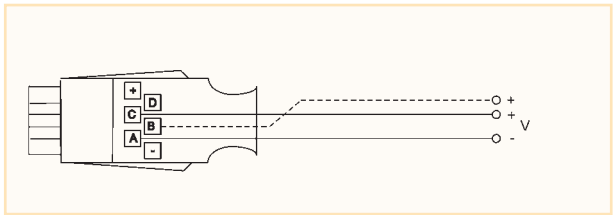
*Data may vary depending on device; (see data sheet per device)

ALMEMO® Connectors for Voltage Millivolt



Types:			Order No. ZA9000FS0 Order No. ZA9000FS1 Order No. ZA9000FS2
Model	Meas. Range	Resolution	
55mVDC	-10.0 to +55.0	1µV	
26mVDC	-26.0 to +26.0	1µV	
260mVDC	-260.0 to +260.0	10µV	

ALMEMO® Connectors for Volt DC



Types:			Order No. ZA9000FS3 Order No. ZA9602FS Order No. ZA9602FS2
Model	Meas. Range	Resolution	
2.6VDC	-2.6 to +2.6 *	0.1 mV	
26VDC (divider 100:1)	-26.0 to +26.0	1 mV	
2 x 26 V DC (2xdivider)	-26.0 to +26.0	1 mV no electrical isolation	

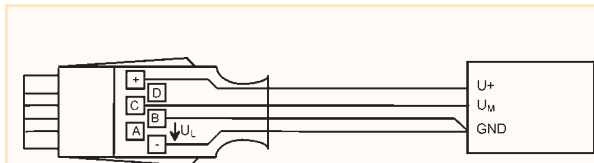
*Data may vary depending on device; (see data sheet per device)

INPUT CONNECTORS

03

ALMEMO® Connectors for DC Millivolt / Volt Differential

for sensors / transmitters, Supply 7 to 9 V from ALMEMO® device



Option for ALMEMO® connector

Supply cable for sensor supply via external mains unit

Order no. OA9000V

see below

Types:

Model	Meas. Range	Resolution
55 mV DC	-10.0 to +55.0	1 μ V
26 mV DC	-26.0 to +26.0	1 μ V
260 mV DC	-260.0 to +260.0	10 μ V
2.6 V DC	-2.6 to +2.6 *	0,1 mV

Order No. ZA9000FS0D

Order No. ZA9000FS1D

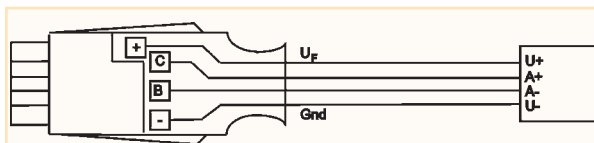
Order No. ZA9000FS2D

Order No. ZA9000FS3D

*Data may vary depending on device; (see data sheet per device)

ALMEMO® Connectors for DC Millivolt / Volt Differential

for sensors / transmitters, Supply : 12 V from the ALMEMO® device



Technical Data:

Sensor supply U_F :	13.5V $\pm$ 0.5V
Output current:	100mA at $U_G = 12V$
	50mA at $U_G = 9V$
	20mA at $U_G = 7V$
	(U_G = device voltage)

Types:

Model	Meas. Range	Resolution
55mV DC	-10.0 to +55.0	1 μ V
26mV DC	-26.0 to +26.0	1 μ V
260mV DC	-260.0 to +260.0	10 μ V
2.6V DC	-2.6 to +2.6 *	0.1 mV
26V DC	-26.0 to +26.0	1 mV

Order No. ZA9600FS0V12

Order No. ZA9600FS1V12

Order No. ZA9600FS2V12

Order No. ZA9600FS3V12

Order No. ZA9602FS3V12

*Data may vary depending on device; (see data sheet per device).

Option for ALMEMO® connector Supply cable for sensor supply via external mains unit

For supplying third-party sensors with higher voltage or higher current

new!



Applications :

- If the sensor supply from the ALMEMO® device (see device data sheet) is insufficient in terms of voltage or current, e.g. ALMEMO® 2390 series with 9-V battery
- If the sensor supply from the ALMEMO® connector ZA960xFSxV12 (see below) is insufficient in terms of voltage or current



Can only be used for ALMEMO® connectors with differential voltage or current ZA9000FSxD, ZA9602FS3, ZA9601FS5/6

Types :

Option : supply cable on ALMEMO® connector, length 0.1 meter, with 3-contact Binder plug

Connector mains unit, 230 V AC, 12 V DC, 200 mA, with 3-contact Binder plug

Connector mains unit, 230 V AC, 12 V DC, 800 mA, with 3-contact Binder plug

Order no. OA9000V

Order no. ZB3090NA

Order no. ZB5090NA2

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

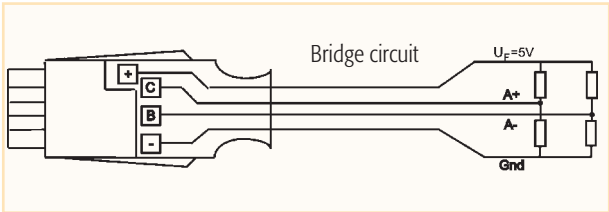
AHLBORN
www.ahlborn.com

03.07

INPUT CONNECTORS

ALMEMO® Input Connectors for measures bridges for Millivolt / Volt Differential

with Differential Amplifier, Supply : 5 V stabilized from the ALMEMO® device



Technical Data:

Sensor supply:

Voltage U_F :	$5V \pm 0.05V$
Temperature coefficient:	$<50ppm/^{\circ}C$
Output current:	max. 100mA

Amplifier:

Input voltage range (common mode):	-3.0V to +3.5V
Offset voltage:	$400\mu V$ ($V=1$), $225\mu V$ ($V=10$)
Offset voltage drift:	Max. $1\mu V/^{\circ}C$
Input current:	0,5 nA
Current consumption:	approx. 2mA

Types:

Model	Meas. Range	Resolution	
55mV DC	-10.0 to +55.0	1 μV	Order No. ZA9650FS0
26mV DC ($V=10$)	-26.0 to +26.0	1 μV	Order No. ZA9650FS1V
260mV DC ($V=10$)	-260.0 to +260.0 *	10 μV	Order No. ZA9650FS2V
2.6V DC	-2.6 to +2.6 *	0.1 mV	Order No. ZA9650FS3

*Data may vary depending on device; (see data sheet per device)

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



Technical Data:

see page 12.05

Types:

Measuring range	Resolution	Overload	Internal resistance	
$\pm 2,000 V$	0,001V	400 V	800 k Ω	Order No. ZA9900AB2
$\pm 20,00 V$	0,01V	500 V	1 M Ω	Order No. ZA9900AB3
$\pm 200,0 V$	0,1V	500 V	1 M Ω	Order No. ZA9900AB4
$\pm 400 V$	1V	1000 V	4 M Ω	Order No. ZA9900AB5