

# 03 ALMEMO® Output modules

## ALMEMO® trigger cable V6 ZA 1006 ET / ZA 1006 EK2



### Technical Data

Trigger input	
ZA1006ET	Trigger variants can be programmed with key
ZA1006EK2	For external zero-potential contact (not electrically isolated) and for external voltage 4 to 30 VDC (optocoupler), trigger variants can be programmed
Current consumption	approx. 3 mA
Cable length	1.5 meters
Connection	(see variants)

### Variants

- ALMEMO® trigger cable, V6, with 1 key
- ALMEMO® trigger cable, V6, with 2 trigger inputs for external contacts or voltages, with clamp connector

### Order no.

- ZA1006ET**
- ZA1006EK2**

## ALMEMO® trigger / relay cable V6 ZA 1006 EKG / ETG



### Technical Data:

Trigger input	For external zero-potential contact (not electrically isolated) or for external voltage 4 to 30 VDC (optocoupler) Trigger variants - can be programmed (V6 only)
Relay	Normally open contact (semiconductor relay) Can also be programmed as inverted (V6 only) Load capacity: 50 VDC, 0.5 A, 1 ohm
Current consumption	approx. 3 mA
Cable length	1.5 meters
Connection	Clamp connector

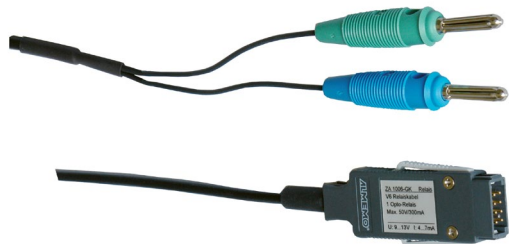
### Variants

- ALMEMO® trigger / relay cable, V6, with 2 trigger inputs (programmable trigger variant) for external voltages and 2 normally open contacts
- ALMEMO® trigger / relay cable, V6, with 2 trigger inputs (programmable trigger variant) for external zero-potential contacts and 2 normally open contacts

### Order no.

- ZA1006EKG**
- ZA1006ETG**

## ALMEMO® relay cable, V6, ZA 1006 GK and electrical socket relay adapter, ZB 2280 RA



### Technical Data

Relay cable, V6, type ZA 1006 GK	
Relay	Normally open (semiconductor relay) Can also be programmed as inverted (V6 only) Load capacity 50 VDC, 0.5 A, 1 ohm
Current consumption	approx. 3 mA
Cable length	1.5 meters
Connection	Banana plug

### Technical Data

Relay adapter ZB2280RA	
Control input	for optocoupler output or switching contact R <10 kW
Output	Electrical safety socket, mechanical relay, load capacity 230 V, 6 A
Switching status	OFF idle; ON alarm

### Variants

ALMEMO® relay cable, V6,  
with 1 normally open contact

### Order no.

**ZA1006GK**

### Variants

Relay adapter for switching mains supplied devices  
combined with relay cable ZA1006GK/ZA1000GK

### Order no.

**ZB2280RA**

## ALMEMO® analog output cable ZA 1601 RK



### Technical Data:

Output voltage	-1.250 to 2 000 V, not electr. isolated
Gain	0.1 mV / digit
Load	>100 kΩ
Accuracy	±0.1 % ± 6 digits
Temperature drift	1 digit / K
Time constant	100 ms
Current consumption	approx. 3 mA
Cable length	1.5 meters

- Measured values can be recorded using a chart recorder or a similar output device.
- A signal converter is integrated in the connector.
- The device signal is converted into voltage corresponding to the linearized measured value.
- To obtain a high response speed a conversion rate of 10 mops can be set in the ALMEMO® device.
- The output signal can be scaled as required.

### Variants

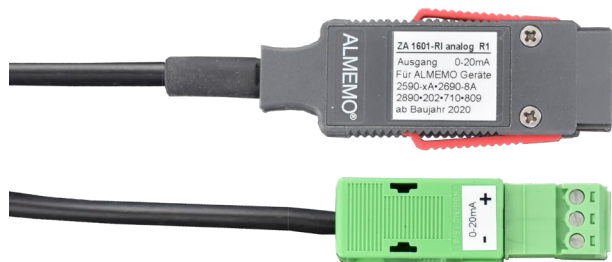
Analog output cable -1.250 to 2.000 V (0.1 mV / digit) not electrically isolated

### Order no.

**ZA1601RK**

# ALMEMO® Output modules

## ALMEMO® analog output cable ZA 1601-RI and ZA 1602-RU



- The analog signal is controlled internally by the measured value of a measuring channel, arbitrarily scalable.
- Respectively, the analog signal is controlled externally via the device interface with the WinControl software.

! Only suitable for the following device types:  
ALMEMO® 2590-xA, 2690-8A, 2890-9, 202-S, 204, 710. 809 devices manufactured from 2020 onwards (for older devices, a firmware update is necessary).

### Technical data

Output signal:	via clamping connector, galvanically isolated	Temperature drift:	10 ppm/K
ZA1601RI	1 x 0 to 20 mA, load < 500 Ohm	Power supply:	12 V via ALMEMO® plug the sensor voltage 12 V is set on the ALMEMO® device.
ZA1602RU	2 x 0 to 10 V, load >100 kOhm (common mass)	Current consumption:	
Resolution:		ZA1601RI	max. 50 mA (at 12 V)
ZA1601RI	1 µA/digit	ZA1602RU	max. 20 mA (at 12 V)
ZA1602RU	0.5 mV/digit	Cable:	0.25 m
Accuracy:	0.1 % of measured value +0.1 % of final value		

### Variants

ALMEMO® analog output plug including cable and clamping connector.

Output signal 1 x 20 mA

Output signal 2 x 10 V

### Order no.

**ZA1601RI**

**ZA1602RU**