

# HEAG 171, HEAG 172

Fiber-optic transmitter for interference-free transmission of square-wave signals

## Overview

- For high interference locations
- Converting standard square-wave signals into fiber-optic signals
- Each channel is coupled onto fiber-optic easy-to-fit plug
- 3 different plug versions available
- Delay time over a 100 m length of fiber-optic is 1  $\mu$ s
- Except of POF all fiber optic cable usable, e. g. PCF 200  $\mu$ m, silica fiber 50 and 62.5  $\mu$ m



## Technical data

### Technical data - electrical ratings

Voltage supply	HEAG 171: 9...26 VDC; 5 VDC $\pm$ 5 % HEAG 172: 9...26 VDC
Consumption	$\leq$ 200 mA
Inputs	HEAG 171: 4 x TTL HEAG 172: 4 x HTL
Input signals	K1, K2, K3, K4 + inverted
Outputs	4 x fiber-optic
Output signals	Fiber-optic 1, 2, 3 and 4
Transmission frequency	$\leq$ 250 kHz

### Technical data - electrical ratings

Transmission length	$\leq$ 300 m
Approval	CE

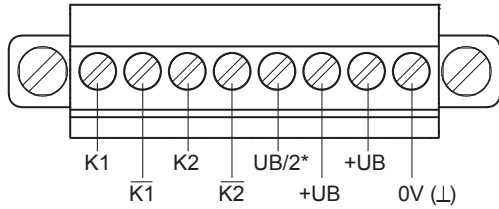
### Technical data - mechanical design

Dimensions W x H x L	122 x 122 x 80 mm
Protection EN 60529	IP 65
Operating temperature	-20...+70 °C (without dew)
Connection	3x cable gland M20x1.5 4x cable gland M16x1.5

## Terminal assignment

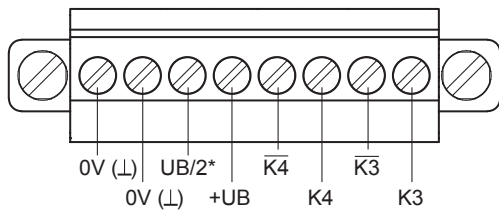
### Terminal assignment terminal 1

\* HEAG 172 without inverted signals: Link output UB/2 to inverted inputs.



### Terminal assignment terminal 2

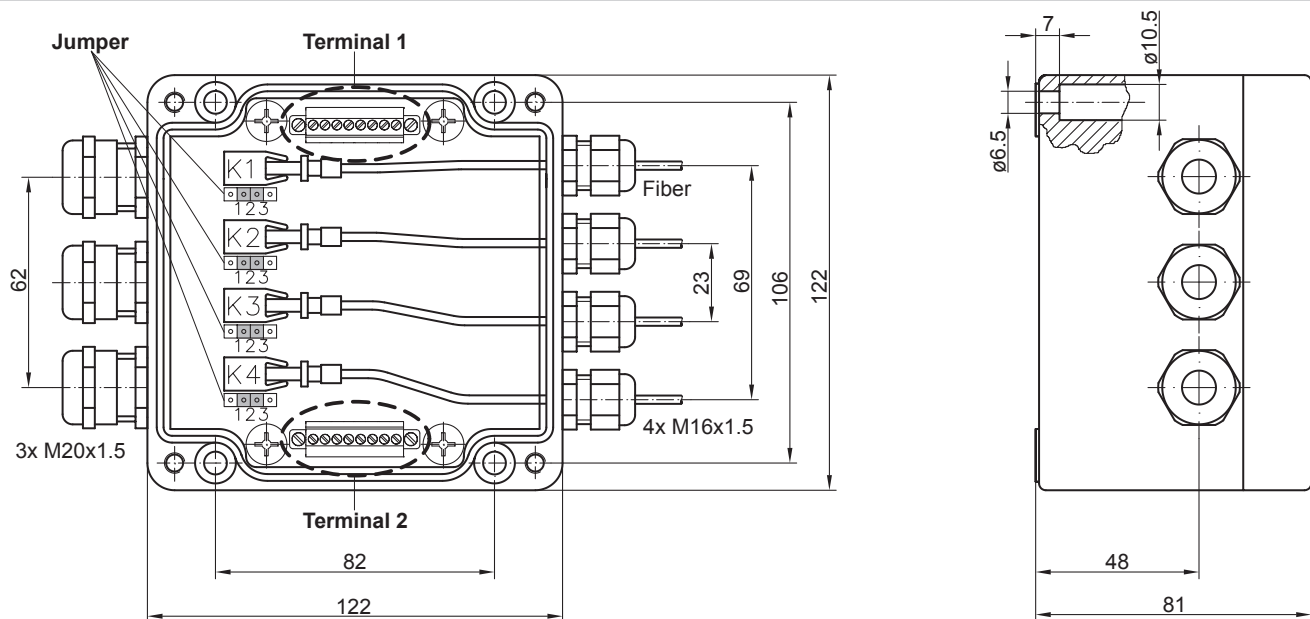
\* HEAG 172 without inverted signals: Link output UB/2 to inverted inputs.



## Jumper position

Position	Transmitter power
	LOW
	LOW
	MIDDLE
	HIGH

## Dimensions



# HEAG 171, HEAG 172

Fiber-optic transmitter for interference-free transmission of square-wave signals

**Ordering reference**

	HEAG17	#####	###
<b>Product</b>	HEAG17		
Signal Processing	HEAG17		
<b>Voltage supply / output stage</b>			
5 VDC - 4x TTL			1 TTL
9...26 VDC - 4x TTL			1 R
9...26 VDC - 4x HTL			2 HTL
<b>Type of plug connector</b>			
Type VL			VL
Type ST			ST
Type SMA			SMA