

## HEAG 173, HEAG 174

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

### Overview

- For high interference locations
- Each channel is coupled onto fiber-optic easy-to-fit plug
- Reconversion of optical to electrical signals in the receiver control cabinet
- 3 different plug versions available
- Delay time over a 100 m length of fiber-optic is 1 µs
- Except of POF all fiber optic cable usable, e. g. PCF 200 µm, silica fiber 50 and 62.5 µm



### Technical data

#### Technical data - electrical ratings

Voltage supply	HEAG 173: 5 VDC ±5 % HEAG 174: 9...26 VDC
Consumption	≤60 mA
Inputs	3 x fiber-optic
Input signals	Fiber-optic 1, 2 and 3
Outputs	HEAG 173: 3 x TTL HEAG 174: 3 x HTL
Output signals	K1, K2, K3 + inverted
Transmission frequency	≤250 kHz

#### Technical data - electrical ratings

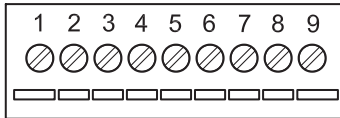
Transmission length	≤300 m
Approval	CE

#### Technical data - mechanical design

Dimensions W x H x L	50 x 75 x 55 mm
Protection DIN EN 60529	IP 20
Operating temperature	-20...+50 °C (without dew)
Connection	Screw terminal connector 3x connector (VL, ST or SMA)

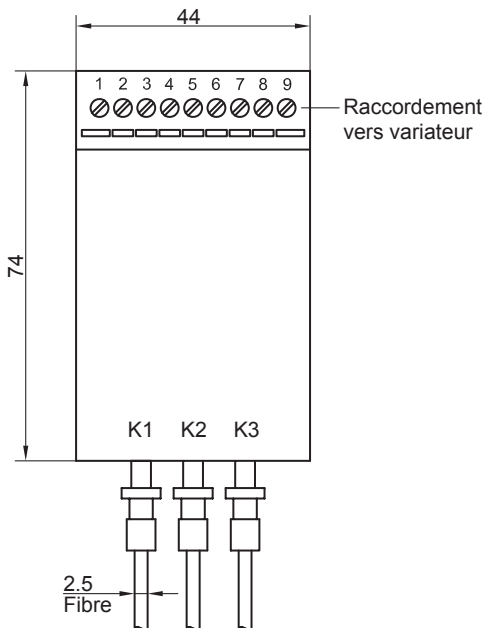
## Terminal assignment

### Terminal assignment



Terminal	Assignment
1	+UB
2	0V (⊥)
3	K1
4	$\overline{K1}$
5	K2
6	$\overline{K2}$
7	K3
8	$\overline{K3}$
9	dnu

## Dimensions



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## Ordering reference

		HEAG17	#####	###
<b>Product</b>				
Signal Processing		HEAG17		
<b>Output stages</b>				
3x TTL		3 TTL		
3x HTL		4 HTL		
<b>Type of plug connector</b>				
Type VL		VL		
Type ST		ST		
Type SMA		SMA		