

# Signal Processing

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

### HEAG 173, HEAG 174



HEAG 173, HEAG 174

#### Features

- 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  $\mu$ 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 - electrical ratings

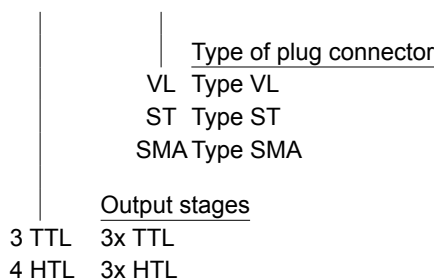
Voltage supply	HEAG 173: 5 VDC $\pm$ 5 % HEAG 174: 9...26 VDC
Consumption	$\leq$ 60 mA
Inputs	3 x fiber-optic
Input signals	Fiber-optic 1, 2 and 3
Outputs	HEAG 173: 3 x TTL HEAG 174: 3 x HTL
Output signals	K1, K2, K3 + inverted
Transmission frequency	$\leq$ 250 kHz
Transmission length	$\leq$ 300 m
Approval	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)

#### Part number

HEAG17



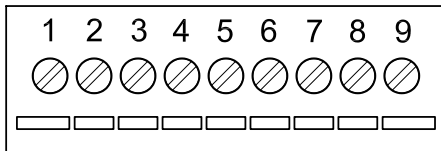
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### Terminal assignment

Terminal	Assignment
1	+UB
2	0 V $\perp$
3	K1
4	$\overline{K1}$
5	K2
6	$\overline{K2}$
7	K3
8	$\overline{K3}$
9	Do not use



### Dimensions

