

Signal Processing

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

HEAG 171, HEAG 172



HEAG 171, HEAG 172

Features

- 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 μ s
- Except of POF all fiber optic cable usable, e. g. PCF 200 μ m, silica fiber 50 and 62.5 μ m

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
Transmission length	\leq 300 m
Approval	CE

Technical data - mechanical design

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

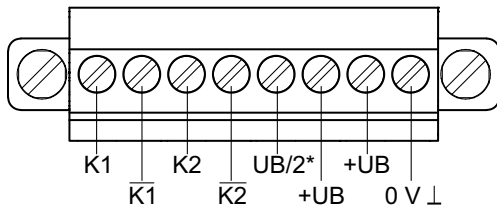
Part number

HEAG17

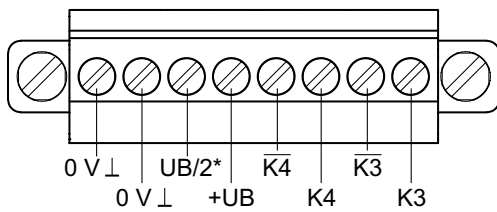
		<u>Type of plug connector</u>
	VL	Type VL
	ST	Type ST
	SMA	Type SMA
		<u>Voltage supply / signals</u>
1 TTL	5 VDC	- 4x TTL
1 R	9...26 VDC	- 4x TTL
2 HTL	9...26 VDC	- 4x HTL

Terminal assignment

Terminal 1



Terminal 2



* HEAG 172 without inverted signals:
Link output UB/2 to input $\overline{K1}$ $\overline{K2}$ $\overline{K3}$ $\overline{K4}$

Jumper position

Position Transmitter power

•••• LOW

○+○••• LOW

•○+○•• MIDDLE

•••○+○ HIGH

Dimensions

Signal Processing

