

HEAG 175, HEAG 176

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 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

Technical data - electrical ratings

Voltage supply	HEAG 175: 9...26 VDC; 5 VDC \pm 5 % HEAG 176: 9...26 VDC
Consumption	\leq 200 mA
Inputs	HEAG 175: 3 x TTL HEAG 176: 3 x HTL
Input signals	K1, K2, K3 + inverted
Outputs	3 x fiber-optic
Output signals	Fiber-optic 1, 2 and 3
Transmission frequency	\leq 250 kHz

Technical data - electrical ratings

Transmission length	\leq 300 m
Approval	CE

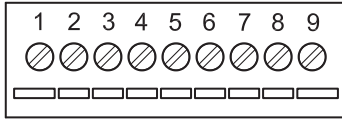
Technical data - mechanical design

Dimensions W x H x L	50 x 75 x 55 mm
Protection 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

* HEAG 176 without inverted signals: Link output UB/2 to inverted inputs.

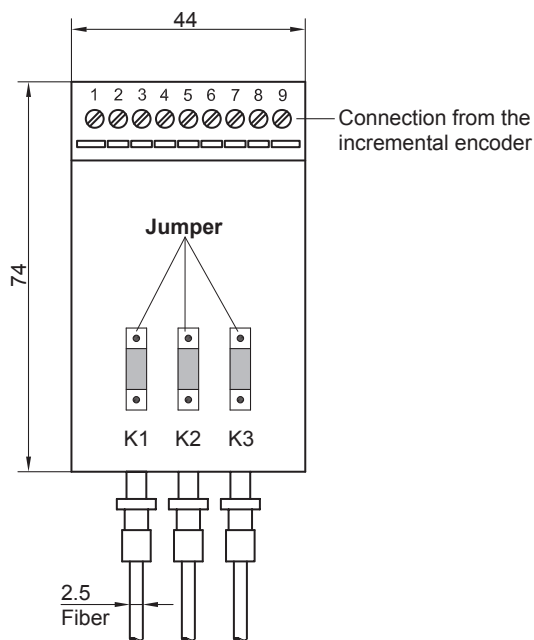


Terminal	Assignment
1	+UB
2	0V (⊥)
3	K1
4	$\overline{K1}$
5	K2
6	$\overline{K2}$
7	K3
8	$\overline{K3}$
9	+UB/2*

Jumper position

Position	Transmitter power
	LOW
	LOW
	MIDDLE
	HIGH

Dimensions



HEAG 175, HEAG 176

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

Ordering reference

		HEAG17	#####	###
Product		HEAG17		
Signal Processing		HEAG17		
Voltage supply / output stage				
5 VDC - 3x TTL			5 TTL	
9...26 VDC - 3x TTL			5 R	
9...26 VDC - 3x HTL			6 HTL	
Type of plug connector				
Type VL				VL
Type ST				ST
Type SMA				SMA