

Signal Processing

Digital converters (opto coupler transmitters) for signal level shifting, isolating and signal regeneration of HTL or TTL signals

HEAG 151, 152, 153, 154



HEAG 15x

Features

- Signal level shifting from HTL → TTL or TTL → HTL
- Isolating signal cables to multiple receivers to avoid earth loops
- Regenerating of signals when transmitting over long distance

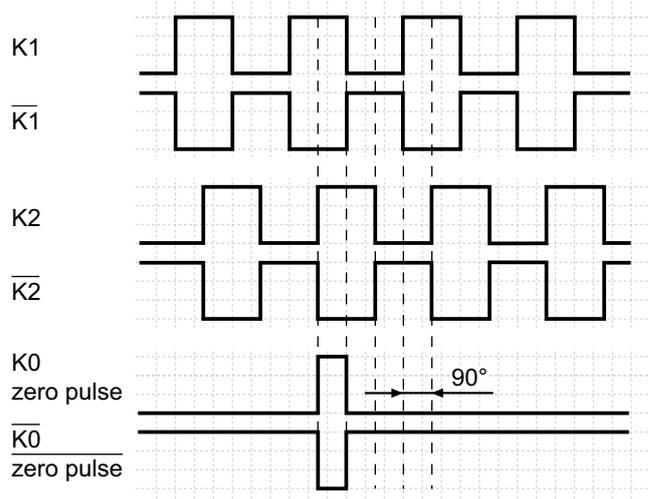
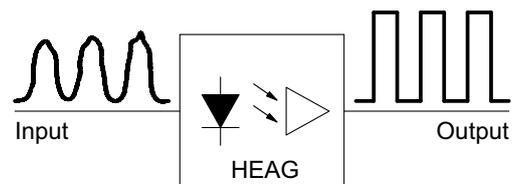
Technical data - electrical ratings

Voltage supply	HEAG 151, 152: 5 VDC ±5 % HEAG 153, 154: 9...26 VDC
Consumption	≤5 mA
Inputs	HEAG 153, 154: HTL HEAG 151, 152: TTL
Input signals	K1 90° K2, K0 + inverted
Input frequency	HEAG 151, 153: 200 kHz HEAG 152, 154: 120 kHz
Outputs	HEAG 153, 154: HTL HEAG 151, 152: TTL
Load current (outputs)	HTL: 60 mA (average), 100 mA (peak) TTL: 25 mA (average), 75 mA (peak)
Output signals	K1, K2, K0 + inverted

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
Mounting type	DIN rail housing EN 50022
Connection	Screw terminal connector

Output signals



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Part number

HEAG15

Input/Output

- 1 Input: TTL, Output: TTL
- 2 Input: HTL, Output: TTL
- 3 Input: TTL, Output: HTL
- 4 Input: HTL, Output: HTL

Terminal assignment

Terminal	Assignment
1*	n.c.
2	n.c.
3	Input K1
4	Input $\overline{K1}$
5	Input K2
6	Input $\overline{K2}$
7	Input K0
8	Input $\overline{K0}$
9	n.c.
11	+UB (HEAG)
12*	0 V
13	Output K1
14	Output $\overline{K1}$
15	Output K2
16	Output $\overline{K2}$
17	Output K0
18	Output $\overline{K0}$
19	n.c.

* no connection between 1 and 12

Dimensions

