Data Sheet

GV204

Pulse distributor / encoder splitter for incremental encoder signals

Product Features:

- Encoder input, programmable for TTL/ RS422 (A, /A, B, /B, Z, /Z) or HTL levels (selectively A, /A, B, /B, Z, /Z or A / B / Z)
- Two encoder outputs each with A, /A, B, /B, Z, /Z, individually programmable output levels TTL (5 V) or HTL (10 to 30 V)
- Max. frequency 750 kHz (TTL) or 300 kHz (HTL)
- Aux. voltage output for encoder supply selectively +5 V or input voltage (10 to 30 V)
- Power supply either 5 VDC or 10 to 30 VDC

Technical Specifications:		
Power supply:	Input voltage (selective): Protection circuit: Ripple: Power consumption: Connections:	5…30 VDC (at pin Vext) or 10 … 30 VDC (at pin VB) reverse polarity protection ≤ 10 % at 24 VDC approx. 5… 50 mA, unloaded (depends on input voltage) screw terminal, 1.5 mm² / AWG 16
Encoder supply	Output voltage (selective): Output current:	5.3 VDC or 5 … 30 VDC or 10 … 30 VDC max. 150 mA
Frequency inputs:	Signal levels: Channels: Frequency: Connections:	TTL / RS422 (differential voltage > 1 V) or HTL (LOW: 0 … 3.5 V, HIGH: 10… 30 V) asymmetrical A, B, Z respective symmetrical A, /A, B, /B, Z, /Z max. 750 kHz (RS422 / TTL differential) max. 350 kHz (HTL) SUB-D connector (male), 9-pin
Frequency outputs:	Number of outputs Output level: Output signals: Output current: Output circuit: Signal propagation delay: Connections:	2 either TTL (5 V) or HTL (≙ power supply voltage minus approx. 1.4 V) A, /A, B, /B, Z, /Z max. 30 mA per output push-pull approx. 700 ns SUB-D connectors (female), 9-pin
Housing:	Material: Mounting: Dimensions (w x h x d): Protection class: Weight:	plastic 35 mm top hat rail (according to EN 60715) 85 x 90 x 50 mm IP20 approx. 120 g
Temperature range:	Operation: Storage:	0 °C … +45 °C / +32 … +113 °F (not condensing) -25 °C … +70 °C / -13 … +158 °F (not condensing)
Failure rate:	MTBF in years:	225.7 a (long-term usage at 60 °C / 140 °F)
Conformity & standards:	EMC 2014/30/EU: RoHS (Ⅱ) 2011/65/EU RoHS (Ⅲ) 2015/863:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61326-1 EN IEC 63000