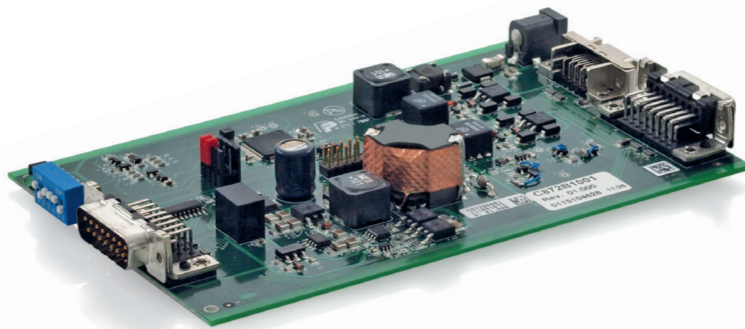


Driver for PLine® Ultrasonic Piezomotors

HIGHLY EFFICIENT PIEZOMOTOR AMPLIFIER



C-872

- For all PLine® motors
- Analog control input
- Automatic frequency control
- Minimum heat generation

All-purpose driver for all PLine® single and dual drives
 OEM board with analog control input. Suitable for PLine® ultrasonic piezomotors P-661, U-161, U-164 and PLine® RodDrive U-264

PLine® ultrasonic piezomotors and drives
 High velocity. Self-locking, no heat generation at rest. Excellent start/stop dynamics

Resonance tracking
 Automatically adjusts the driving frequency for maximum motor performance and efficiency (can be switched off)



RodDrive Piezomotor Direct Drive

Related products
 U-264 RodDrive Piezomotor Direct Drive
 M-272 Ceramic Linear Drive for Automation
 C-867.OE Controller Board PLine®

Preliminary Data	C-872.160	Unit	Tolerance
Function	Driver for PLine® ultrasonic piezomotors / single and dual drives with P-661, U-161, U-164 and U-264		
Channels	1		
Control In	±10 V defines the velocity, polarity defines the direction of motion, 12-bit A/D converter		
Electrical properties			
Output power	50	W	max.
Output voltage	240 (AC voltage, amplitude and frequency depending on motor selection)	V _{pp}	max.
Current limitation	2.5 (short-circuit-proof)	A	max.
Interface and operation			
DIP switches	Motor selection, frequency control activated/deactivated		
Motor connector	MDR14 and sub-D 15 (f)		
I/O ports	Sub-D 15 (m) 1x frequency control activated/deactivated Looped through: 3x signals for limit and reference point switches (TTL), 4x encoder signal (A/B, differential)		
Miscellaneous			
Operating voltage	24 VDC, 50 W, from external power supply (not included)		
Current consumption	2.5	A	max.
Operating temperature range	5 to 40	°C	
Mass	0.125	kg	
Dimensions	172 × 100 × 20 (incl. connector)		

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PLine®
Ultrasonic Motors

Nanopositioning &
Piezoelectrics

Nanometrology

Hexapod Systems

Micropositioning

Appendix