

# Parker Product Datasheet



Parker electronic modules PZD00A-40\* for command signal processing may be connected in series to proportional valves with onboard electronics as well as to Parker amplifier modules.

**PART NUMBER:** PZD00A-400

**TECHNOLOGY OPTION:** Standard

## PRODUCT OVERVIEW

Parker electronic modules series PZD00A-40\* for command signal processing (for rail mounting) are compact, easy to install and provide time-saving wiring by disconnectable terminals. The digital design of the circuit results in good accuracy and optimal adaption for command signal processing by a comfortable interface program. Series PZD00A-40\* may be connected in series to proportional valves with onboard electronics as well as to Parker amplifier modules PWD00, PWDXX and PCD00.

Markets:

- Industrial

Features/Benefits:

- Proven design - ensures reliable operation
- Digital circuit design - enables optimum valve performance
- Free PC user software ([www.parker.com/propxd](http://www.parker.com/propxd)) - for comfortable adaption
- Short delivery time - no warehousing necessary
- Six parameterizable command channels with optional additive or priority dependent signal processing
- Output stage with different signal options

- Input stage with different signal options
- Status output
- Four-quadrant ramp function
- Reference output for potentiometer supply
- Status indicator
- Parametering via interface USB type-B
- Connection by disconnectable terminals
- Compatible to the relevant European EMC standards
- Optional technology function 'linearization'

Applications:

- Suitable for general hydraulic applications

## TECH SPECIFICATIONS

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| SEAL MATERIAL                 | N/A                                                           |
| INTERFACE TYPE                | USB type-B                                                    |
| FUNCTION                      | Command signal processing                                     |
| SPECIFICATIONS MET            | IP20 acc. EN 60529; V0 acc. UL 94; EMC EN 50081-2, EN 50082-2 |
| WEIGHT                        | 0.16 kg                                                       |
| FOR FLUID TYPE                | N/A                                                           |
| INPUT VOLTAGE                 | 18 - 30 VDC                                                   |
| MAXIMUM OPERATING PRESSURE    | N/A                                                           |
| OPERATING CURRENT             | Max. 0.1 A                                                    |
| MAXIMUM PRESSURE SETTING      | N/A                                                           |
| PRODUCT SERIES                | Electronic module                                             |
| MOUNTING TYPE                 | Snap-on mounting                                              |
| MAXIMUM FLOW RATE             | N/A                                                           |
| PRESSURE CONTROL RANGE        | N/A                                                           |
| MINIMUM OPERATING TEMPERATURE | -20 °C                                                        |

|                                      |                                                |
|--------------------------------------|------------------------------------------------|
| <b>FLOW RATE</b>                     | N/A                                            |
| <b>MOUNTING POSITION</b>             | Unrestricted                                   |
| <b>ACTUATION TYPE</b>                | N/A                                            |
| <b>MAXIMUM OPERATING TEMPERATURE</b> | 60 °C                                          |
| <b>CABLE LENGTH</b>                  | 50 m                                           |
| <b>ELECTRICAL CONNECTION</b>         | Screw terminals 0.2 to 2.5 mm2, disconnectable |
| <b>CABLE TYPE</b>                    | 0.5 MM2 overall braid shield (AWG20)           |
| <b>BODY MATERIAL</b>                 | Polycarbonate                                  |
| <b>DIVISION</b>                      | Hydraulic Valve Systems Division Europe        |