

Parker Product Datasheet



Parker electronic modules series PID00A-40* for closed loop control meet the demands of position, pressure and velocity control applications for valves with integrated electronics and spool position feedback capability.

PART NUMBER: PID00A-400

TECHNOLOGY OPTION: Standard

PRODUCT OVERVIEW

Parker electronic modules PID00A-40* for closed loop control (for rail mounting) are compact, easy to install and provide time-saving wiring by disconnectable terminals. They have been created for proportional directional control valves with integrated electronics and spool position feedback capability to enable position, pressure and velocity control applications. The digital design of the circuit results in good accuracy and optimal adaption for the valves by a comfortable interface program.

Markets:

- Industrial
- Machine tools

Features/Benefits:

- Proven design - ensures reliable operation
- Digital circuit design - enables optimum valve performance
- Free PC user software (www.parker.com/propxd) - for comfortable adaption
- Short delivery time - no warehousing necessary
- Extended PID controls

- Speed control with position feedback
- Differential input stage with different signal options
- Output stage with different output options
- Four-quadrant ramp function
- Status indicator
- Parametrisierung über USB Typ-B Schnittstelle
- Connection by disconnectable terminals
- Compatible to the relevant European EMC standards

Applications:

- Suitable for general hydraulic applications
- Machine tools
- General presses

TECH SPECIFICATIONS

INTERFACE TYPE	USB type-B
ACTUATION TYPE	N/A
SEAL MATERIAL	N/A
MINIMUM OPERATING TEMPERATURE	-20 °C
MAXIMUM OPERATING PRESSURE	N/A
MOUNTING POSITION	Unrestricted
FOR FLUID TYPE	N/A
CABLE LENGTH	50 m
MAXIMUM FLOW RATE	N/A
PRESSURE CONTROL RANGE	N/A
CABLE TYPE	0.5 MM2 overall braid shield for sensor and signal (AWG20)
BODY MATERIAL	Polycarbonate
MAXIMUM OPERATING TEMPERATURE	60 °C

OPERATING CURRENT	Max. 0.1 A
FUNCTION	N/A
DIVISION	Hydraulic Valve Systems Division Europe
WEIGHT	0.16 kg
MOUNTING TYPE	Snap-on mounting on EN 50022 rail
PRODUCT SERIES	Electronic module
INPUT VOLTAGE	18 to 30 VDC