

PIM2401 Intelligent Plug-in Minidrive with CANopen

PIM2401, the new Technosoft intelligent plug-in minidrive, is specially designed for motion control applications where space is dramatically limited. PIM's miniature size (39x44x16 mm, 15 g weight) allows it to be mounted horizontally or vertically inside the machine or near the motor. The drive is manufactured with simple pins; this architecture reduces the time needed to assemble it. PIM2401 controls DC, brushless, linear and step motors up to 25 W (24 V, 1 A).



Despite its small dimensions, PIM2401 embeds a digital drive, a powerful motion controller and PLC functionalities in the same unit. One of the key advantages of PIM2401 is its ability to execute complex motions without requiring the external controller. Complex movement sequences can be programmed directly on the PIM, while system control functions are handled from the supervising PC or PLC. Motion modes as contouring, profiling, gearing, electronic camming, PVT are easily executed in stand-alone or multi-axis configurations.

PC and PLC motion libraries are available for the drive's quick industrial integration. Starter kits will help users to evaluate it and develop specific projects. PIM2401 supports CiA standard DS-30 v4.02 CANopen. Incremental encoders together with digital and linear Halls are incorporated by default.

All these benefits - plug-in design, embedded intelligence and miniature size - make PIM2401 a valuable motion control solution for all industrial applications where space is critical and the machines / PCBs need to be uncrowded.

Complete specifications can be found on:

http://www.technosoftmotion.com/products/OEM_PROD_PIM2401.htm

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