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TECHNOSOFT - IGVD71

Motion controller drive – 8000 W

P025.027.E201
iGVD71BX-CAN Intelligent Drive, 80 V, 100 A, CAN, STO



- Power up to 8000W, continuous/peak current 100/140A, supply voltage 11-80VDC
- Built-in motion controller, 2 STO inputs compatible with SIL3/Cat3/PLe
- For brushed DC, BLDC and stepper motors
- Communication via RS-232 (TMLCAN) and CANopen (default) or Ethernet (optional)
- Enclosed design

PRODUCT DESCRIPTION

The IGVD71 is a compact, high-performance controller that is optimally adapted to the requirements of battery-powered unmanned transport systems (AGVs), autonomous mobile robots and logistics systems. With the powerful, built-in MotionChip controller and the highly flexible TML programming language, coordinated and synchronized motor/powertrain movements, anti-slip control algorithms or active torque distribution between the axes (torque deviation) can be implemented. IGVD71 is the best solution for battery-powered mobile applications.

TECHNICAL DATA

Analogue Inputs	2
Communication	CANopen, RS232, TMLCAN
Compatible motor technology	PMSM motor, Voice coil actuator, Brushless DC motor, Stepper motor, Linear motor, DC
Control type	Electronic cam, Electronic gearing, Position, Speed, Torque
Digital inputs	5
Digital outputs	4
Nominal current	100 A
Peak current	140 A
Positioning feedback	SSI, EnDaT 2.2, 1 Vpp Sin/Cos, Incremental, Digital hall sensors, Sensorless, Tachogenerator
Power	8000 W
Supplier	Technosoft
Supply voltage	12 V DC, 24 V DC, 36 V DC, 48 V DC, 56 V DC, 72 V DC
Weight	300 g