



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 | 1 |
| 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 | 5 |
| 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 |