

FOR TOUGH ENVIRONMENTS

Compact PLC for mobile machines

Inter Control (Germany) launched the Digsy Fusion E controller supporting three CAN interfaces. CANopen and J1939 are offered as standardized higher-layer communication protocols.



The Digsy Fusion E control unit features an integrated emergency-stop (Source: Inter Control)

The integrated emergency-stop safety function complies with ISO 13850. It helps to save space and to reduce the system costs. Additionally, the product features the PL (performance level) b according to EN ISO 13849-1 and provides an E1 certification. The programming is carried out using the Codesys 3.5 software development environment.

The device integrates a 200-MHz 32-bit CPU (central processing unit). The 47 multi-functional I/Os (thereof up to 31 outputs) are sufficient to automate small or mid-size vehicles or machines without additional devices. The controller can also be used as an I/O expansion module in distributed systems. Beside the three CAN interfaces, the unit comes optionally with an USB or an Ethernet interface. Operating voltage ranges from 8 V_{DC} to 32

V_{DC} and the operating temperature from -40 °C to +80 °C. The aluminum housing with Goretex filter enables environmental protection according to IP6K9K/IP6K7. The device dimensions are 190 mm x 162 mm x 44 mm.

Founded more than 50 years ago, Inter Control is a supplier of mobile electronics for outdoor applications, such as construction equipment, agricultural machinery, material handling equipment, or other industrial vehicles.

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