INTER CONTROL

Reliable Innovations



digsy® fusion E

Extremely compact, Low-Cost/High-Performance controller for mobile applications

The safety version features an integrated Emergency-Stop function (acc. to DIN EN ISO 13850) for direct Emergency-Stop button connection

47 multifunctional I/O's, thereof up to 31 outputs

Freely programmable acc. to IEC-61131-3 with CODESYS 3.5

The compact controller ***digsy*®fusion E** has been developed for a range of applications which require a compact design, combined with a high I/O-concentration.
The integrated Emergency-Stop-functionality additionally helps to save space and to reduce the system costs. Thus the ***digsy*®fusion E** offers all features which are necessary to automate a vehicle or machine completely.
Furthermore the ***digsy*®fusion E** also serves as a cost effective I/O expansion module in complex, distributed systems.

3 CAN-busses, one Ethernet-port and one USB-Interface complete the features of the ***digsy*®fusion E**.

Technical data

***digsy*®fusion E**
- Processor: 32-bit Controller, 200 MHz, Floating-Point-Unit
- RAM: 2,25 MB
- Flash: 3 MB
- EEPROM: 8 kB for retain data

- 3x CAN-interface (CANopen, J1939, proprietary)
- 1x Ethernet (TCP/IP, UDP) – optional
- 1x USB (Host V2.0) – optional
- 4x LED´s

8 Out-/Inputs multifunct.:	Digital output, 2 A Digital input, high-active
4 Out-/Inputs multifunct.:	Digital output, 4 A Digital input, high/low-active
8 Out-/Inputs multifunct.:	Digital output, 2.5 A PWM-output, current control Digital input, high-active
8 Out-/Inputs multifunct.:	Digital output, 4 A PWM-output, current control Digital input, high-active
2 Outputs:	Analog output, 0 ... 10 V, max. 10 mA
1 Output:	Reference voltage, 5 V, 10 V, max. 400 mA
4 Inputs multifunctional:	Digital input, high-active, Counter input, 30 kHz or 2x AB-counter
8 Inputs multifunctional:	Digital input, high-active Analog input: 0 ... 20 mA, 0 ... 10 V, 0 ... 32 V
4 Inputs multifunctional:	Digital input, high-active Analog input: 0 ... 1 kΩ, 0 ... 100 kΩ, 0 ... 10 V, 0 ... 32 V

- Operating voltage: 8...32V
- Operating temperature: –40 °C ... +80 °C/–40 °F ... +176 °F
- Aluminium housing with Goretex filter, rock fall and salt water resistant
- Shock- and vibration proof
- EMC proof according to automotive standards
- Integrated Load-Dump protection
- Environmental protection according to: IP6K9K/IP6K7
- Dimensions: appr. 190 mm x 162 mm x 44 mm

- PL b acc. to EN ISO 13849
- E1 certification

Order codes

***digsy*®fusion E**	4888.61.010
***digsy*®fusion E** – Ethernet	4888.61.020
***digsy*®fusion E** – USB	4888.61.030
***digsy*®fusion E** Safety	4888.61.110
***digsy*®fusion E** Safety – Ethernet	4888.61.120
***digsy*®fusion E** Safety – USB	4888.61.130

Accessories

– Connector-set, 64 poles	4305.15.001
– Connector with 3 m cable, 64 poles	4306.20.001
– LAN-cable, 2 m, M12-connector	4308.33.041
– USB-cable, 1 m, M12-connector, USB-A	4308.36.041
– Measurement box ***digsy*®fusion E**	4805.05.002

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digsy® Outdoor Electronics

Technical modifications are subject to change without prior notice.
Characteristics mentioned in this brochure are not warranted characteristics.

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