



***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 ***digsy*® fusion E** is a rugged control system designed for mobile applications where a compact design combined with high I/O density is required. The optional integrated emergency stop safety feature saves additional space and reduces system costs. A powerful 200 MHz CPU & FPU ensure reliable processing of demanding control tasks. In addition, the ***digsy*® fusion E** can also be used as a cost-effective I/O module in complex, distributed systems.

3 CAN buses, Ethernet and USB interfaces complete the features of the ***digsy*® fusion E**.

Technical Data of PLC module

***digsy*® fusion E**

- 32-bit Processor, 200 MHz
 - 32-bit Floating-Point-Unit
 - RAM: 2.25 MB
 - Flash: 3 MB
 - EEPROM: 8kB for retain data
- 3x CAN (CANopen, J1939, Layer-2)
- 1x Ethernet (TCP/IP, UDP, FTP)
- 1x USB (Host, V2.0)
- 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...10V, max. 10mA
- 1 Output: Reference voltage, 5V, 10V, max. 50mA
- 4 inputs multifunctional: Digital input, high-active,
Counter input 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...1kΩ, 0...10kΩ, 0...10 V, 0...32 V
- Operating voltage: 8...32V
- Operating temperature: -40°C...+80°C (-40°F...+176°F)
- Aluminum housing with Goretex filter, rock fall and saltwater resistant
- Shock- and vibration proof
- EMC proof according to automotive standards
- Integrated load-dump protection
- Environmental protection according to IP6K9K / IP6K7
- Dimensions: appr. 190 x 162 x 44 mm
- E1 certification

Order codes

<i>digsy</i>® fusion E	4888.61.010
<i>digsy</i>® fusion E – Ethernet	4888.61.020
<i>digsy</i>® fusion E – USB	4888.61.030
<i>digsy</i>® fusion E Safety	4888.61.110
<i>digsy</i>® fusion E Safety – Ethernet	4888.61.120
<i>digsy</i>® fusion E Safety – USB	4888.61.130

Accessories

- Connector-set, 64 poles	4305.51.001
- Connector with 3m cable, 64 poles	4306.20.001
- LAN-cable, 2m, M12-connector	4308.33.041
- USB-cable, 1m, M12-connector, USB-A	4308.36.041
- Measurement box <i>digsy</i>® fusion E	4805.05.001