



## *digsy*<sup>®</sup> fusion G

**Modular controller for mobile applications.  
Scalable from 48 to 240 multifunctional I/O's.**

**Programmable with CODESYS 3.5 according to  
IEC-61131-3.**

The *digsy*<sup>®</sup> fusion G is a rugged control system for mobile applications. Installed in a die casted aluminium housing the electronic is protected against shock, vibration, water and dust. A powerful 200 MHz CPU & FPU ensures the reliable processing of demanding control tasks.

Extensive memory capacity supports the storage of vast process and logging data.

The direct connection of modem, router, USB-stick or laptop is supported by Ethernet and USB interfaces.

### Technical data

#### *digsy*<sup>®</sup> fusion G

- Processor: 32-bit CPU, 200 MHz, Floating Point Unit
  - RAM: 16 MB
  - Flash: Up to 35 MB program and data memory
  - FRAM: 32 kB non-volatile memory
  - 4x CAN-interfaces (CANopen, J1939, proprietary)
  - 2x RS-232 interfaces (Modbus RTU, free programmable)
  - 1x Ethernet (UDP, TCP/IP, FTP)
  - 1x USB 2.0 (Host)
- |                                      |  |
|--------------------------------------|--|
| 12 - 60 outputs, multifunctional:    | PWM, current controlled<br>Digital output: |
|                                      | 8 - 40x 2,5 A, 4 - 20x 4A                  |
| 6 - 30 out-/inputs, multifunctional: | Digital output 4,0 A                       |
|                                      | Digital input, high-active                 |
| 6 - 30 inputs, multifunctional:      | Digital input, high-active                 |
|                                      | Digital input, low-active                  |
| 8 - 40 inputs, multifunctional:      | Digital input, high-active                 |
|                                      | Counter / pulse-input                      |
| 16 - 80 inputs, multifunctional:     | Digital input, high-active                 |
|                                      | Analog input:                              |
|                                      | 0 ... 20 mA, 0 ... 10 V, 0 ... 32 V        |
| 2 Reference voltage outputs:         | 5V/10V, switchable                         |
| 1 Sensor supply output:              | VIM, max. 400mA, switchable                |
- 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. 161,5 x 252 x 67 mm	(48 / 96 I/O's)
appr. 161,5 x 252 x 115 mm	(144 / 192 I/O's)
appr. 161,5 x 252 x 162 mm	(240 I/O's)
  - E1 certification

### Order codes

<i>digsy</i> <sup>®</sup> fusion G - 48 I/O's	4888.52.001
<i>digsy</i> <sup>®</sup> fusion G - 96 I/O's	4888.52.002
<i>digsy</i> <sup>®</sup> fusion G - 144 I/O's	4888.52.003
<i>digsy</i> <sup>®</sup> fusion G - 192 I/O's	4888.52.004
<i>digsy</i> <sup>®</sup> fusion G - 240 I/O's	4888.52.005

#### Accessories

- Connector set, 64 poles	4305.51.001
- Connector with 3m cable, 64 wires	4306.20.001*
- Measurement box, for trouble shooting	4805.05.001
- Y-junction M12, for CANbus	4305.37.001*
- Sealing screw for unused M12-sockets	4305.84.001*
- CAN-terminator, M12 connector	4305.85.001*
- CAN-cable, 2m, M12-connector, loose end	4308.32.041*
- CAN-cable, 2m, M12-connector, M12-socket	4308.32.043*
- LAN-cable, 2m, M12-connector	4308.33.041*
- RS-232 cable COM1, 2m, M12-connector, D-Sub9	4308.34.044*
- RS-232 cable COM2, 2m, M12-connector, D-Sub9	4308.34.045*
- USB-cable, 1m, M12-connector, USB-A	4308.36.041*
- Cable-Kit, contains the with * marked articles	4306.51.010

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