

## Technical data distributed I/O



Article:	Description:	Part No.:
AD4/DA2 GM	4-fold IN/2-fold OUT analog combi group master	602918
AD4/DA2	4-fold IN/2-fold OUT analog combi extension	602919
I/O16 GM	16-fold variable digital I/O module group master	602916
I/O16	16-fold variable digital I/O module extension	602917

### Group Master Module with 4 analog inputs and 2 analog outputs (Part number: 602918):

Analog inputs (4):

- Each input electrically isolated from the other and from the system potential
- DC measuring possible
- Inputs configurable: 0...100mV 0...500mV
- 0...2V, 0...10V, 0...20mA
- 0...400  $\Omega$  (2/3/4-wire technique)
- Error < 0.1% from measuring range
- Free combination of input types
- Min. scanning interval 120ms x (number of assigned inputs) = 120 ms to 480 ms
- Coldjunction temperature 0°C...100°C (input AD1, AD3)

For the following thermocouples a linearization is included:

- Cu-CuNi Typ U ( -200 ... +600 °C)
- Fe-CuNi Typ L ( -200 ... +900 °C)
- NiCr-CuNi Typ E ( 0 ... +1000 °C)
- Ni-CrNi Typ K ( -200 ... +1370 °C)
- PtRh-AuPdPt ( -100 ... +1300 °C)
- PtRh13-Pt Typ R ( 0 ... +1740 °C)
- PtRh10-Pt Typ S ( 0 ... +1760 °C)
- PtRh30-PtRh6 Typ B ( 0 ... +1800 °C)
- WRe3-WRe25 ( 0 ... +2400 °C)
- WRe3-WRe26 ( 0 ... +2500 °C)
- NiCrSi-NiSi Typ N ( -270 ... +1400 °C)
- Pt 100 ( -200 ... +800 °C)

Analog outputs (2):

- All outputs are electrically isolated from the system potential
- Outputs: 0...10V load  $\geq$  10k  $\Omega$
- 0(4)...20mA burden  $\leq$  600  $\Omega$
- Resolution 12 Bit/0.025%
- Output rate depending on configuration (min. every 100ms)
- Local watchdog function integrated

**Extension Module with 4 analog inputs and 2 analog outputs (Part number: 602919):**

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**Group Master Module with 16 digital inputs or outputs (Part number: 602916):**

- The contacts 0.0-1.7 may be configured bit by bit as inputs or outputs.
- Configured as output : max. load 2A per output at 18V .. 36V
- Configured as input: Input potentials 0...30V (DC) 15mA; logic 0 < 6V logic 1 > 10V

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Subject to change!