Provides top performance in the tightest of space.

The I/O system 1000 offers a precise control of input and output modules, including the import of touch probe inputs which are needed for synchronized movements in cyclic production processes. A minimum internal cycle time combined with a time stamp ensures that the I/O system 1000 satisfies even the highest accuracy requirements.

Highlights

- Easy mounting onto a DIN rail
- Easy wiring
- 12.5 mm slim I/O modules with 8 connection points

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Product information
I/O system 1000

Permanent wiring
- 2-part concept: base module and electronic module
- Electronic modules can be replaced without having to touch the wiring
- Item designation remains on the base module
- Coding prevents insertion of the wrong module type

Fast diagnostics
- Clearly structured labelling and diagnostics concept
- Brightly lit LEDs are easy to identify, even in a poorly lit control cabinet
- One LED and one labelling field are clearly assigned to each channel

Integrated shield connection
- Brackets for fitting EMC shield buses are available as accessories
- Direct installation of standard 10 * 3 bus bars on the I/O station
- Shield connection possible with standard cable fastenings and shield clamps

Scalable supply concept
- The main supply is a fixed component of the bus coupler and supplies both the electronics and the I/O level
- Additional I/O supply available as an option, in the event that more than 10 A output current is required
- Additional I/O supply and electronic supply available as an option for extremely large station structures
- Each new I/O supply forms a separate potential area

Simple connection
- Circuit diagram and connection plan printed directly on the module
- Side: detailed view
- Front: simplified view, visible even when modules are fitted

Mounting requires no tools
- Direct snap-in mounting on the DIN rail
- Individual module or entire station can be installed
- Complete blocks can be added to the DIN rail at a later date
- Release lever remains open, allowing entire stations to be installed and removed

Modules	
EPM-S110 - CANopen	EPM-S404 - 4 analog inputs, resistor
EPM-S120 - PROFIBUS	EPM-S405 - 2 analog inputs, thermo
EPM-S131 - EtherCAT	EPM-S406 - 2 analog inputs, -10 ... 10 V DC
EPM-S140 - PROFINET	EPM-S408 - 2 analog inputs, 0/4 ... 20 mA
EPM-S200 - 2 digital inputs	EPM-S409 - 2 analog inputs, 0/4 ... 20 mA, isolated
EPM-S201 - 4 digital inputs	EPM-S410 - 2 analog inputs, 0/4 ... 20 mA, sensor
EPM-S202 - 8 digital inputs	EPM-S411 - 1 analog input, strain gauge
EPM-S203 - 4 digital inputs, three-wire conductor	EPM-S412 - 4 analog inputs, 0 ... 10 V DC, 16 bits
EPM-S204 - 2 digital inputs, negative switching	EPM-S413 - 4 analog inputs, 0/4 ... 20 mA, 16 bits
EPM-S205 - 4 digital inputs, negative switching	EPM-S414 - 4 analog inputs, -10 ... 10 V DC
EPM-S206 - 8 digital inputs, negative switching	EPM-S415 - 2 analog inputs, thermal (compensation)
EPM-S207 - 2 digital inputs, 2 µs	EPM-S416 - 3 phases 230/400 V, 5 A
EPM-S208 - 4 digital inputs, 2 µs	EPM-S500 - 2 analog outputs, 0 ... 10 V DC
EPM-S209 - 8 digital inputs, 0.5 ms	EPM-S501 - 4 analog outputs, 0 ... 10 V DC
EPM-S210 - 8 digital inputs, diagnostics	EPM-S502 - 2 analog outputs, 0/4 ... 20 mA
EPM-S300 - 2 digital outputs	EPM-S503 - 4 analog outputs, 0/4 ... 20 mA
EPM-S301 - 4 digital outputs	EPM-S504 - 2 analog outputs, 0/4 ... 20 mA, 16 bits
EPM-S302 - 8 digital outputs	EPM-S505 - 4 analog outputs, -10 ... 10 V DC
EPM-S303 - 2 digital outputs, negative switching	EPM-S600 - 1-fold counter 24 V / 1 DO
EPM-S304 - 4 digital outputs, negative switching	EPM-S601 - 2-fold counter 24 V
EPM-S305 - 8 digital outputs, negative switching	EPM-S602 - 1-fold counter 5 V
EPM-S306 - 2 digital outputs, 2 A	EPM-S603 - 2-fold counter 24 V
EPM-S308 - 2 digital outputs, 230-V relay	EPM-S604 - SSI interface
EPM-S309 - 4 digital outputs, 2 A	EPM-S606 - frequency measurement
EPM-S310 - 2 digital outputs, 2 µs	EPM-S620 - PWM output
EPM-S311 - 4 digital outputs, 2 µs	EPM-S640 - RS232
EPM-S312 - 8 digital outputs, diagnostics	EPM-S650 - RS422/485
EPM-S400 - 2 analog inputs, 0 ... 10 V DC	EPM-S700 - main supply (bus coupler)
EPM-S401 - 4 analog inputs, 0 ... 10 V DC	EPM-S701 - I/O supply
EPM-S402 - 2 analog inputs, 0/4 ... 20 mA	EPM-S702 - I/O and electronics supply
EPM-S403 - 4 analog inputs, 0/4 ... 20 mA	

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