



# EP1004

## Power PIFA for Extender

PIFA for mounting in an EXOflex expansion house, with a communication port to EXOflex via the EFX-channel.

- 24 V DC power supply for expansion house

- Status indications for power supply and communication

EP1004 is intended for mounting in expansion house in position 1 and supplies power to the internal logic circuits, including the internal parts of the PIFA-units.

### EXOflex

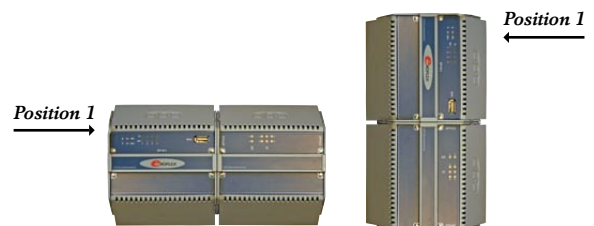
EXOflex is a general system for control, regulation, supervision and communication in general automation installations. The system offers great possibilities when constructing many different types of control and regulation systems: outstations in distributed systems, controllers in building automation systems, service gateways in LANs and on the Internet, etc.

The system is of a modular design and provides unique opportunities for adapting the number and type of inputs and outputs required, as well as the type of communication needed.

EXOflex consists of a housing and a selection of PIFA units. One Power PIFA must always be present in each house.

### Installation

EP1004 must always be mounted in position 1 in an EXOflex house, i. e. the position at the uppermost left.



It is of a standard design and size and can quickly and simply be slotted into place. All electrical connections to external equipment are easily attainable on plug-in screw connectors.

For more information on how to install PIFA:s, see instruction EH11...41 / EH10...40 / ECX1.

### Status Indication

| Designation | Color | Description                  |
|-------------|-------|------------------------------|
| P           | Green | Power Supply                 |
| EFX         | Green | Communication on EFX-channel |

## Technical data

|                   |  |
|-------------------|--|
| Supply voltage    | 24 V DC  |
| tolerance         | 18...30 V DC   |
| power consumption | max load: 0.6 A, no load: 50 mA  |
| <b>CE</b>         | This product conforms with the requirements of European EMC standards CENELEC EN 61000-6-1 and EN 61000-6-3 and carries the CE-mark. |

### Internal, Galvanically Separated Voltages

|                          |        |
|--------------------------|--------|
| 5 V for PIFA             | 1.5 A  |
| 24 V for the EFX channel | 200 mA |

### EFX Channel (EFX slave)

|                     |            |
|---------------------|------------|
| Type                | RS485      |
| Communication speed | 115200 bps |

## Connections

|    |            |  |
|----|------------|--|
| 1  | B          | EFX  |
| 2  | A          |  |
| 3  | N          |  |
| 14 | EMI ground | This terminal is connected internally to the PIFA's frame and to internal protective circuits. It should be connected to the ground rail with a separate, heavy wire.                                |
| 15 | +24 V      | Power supply +24 V DC.   |
| 16 | 0 V        | Power supply 0 V. The 0 V-connection is normally grounded at the supply source, so as to define the potential to earth reference and to compensate for disturbances and transients from I/O signals. |

## Product documentation

| Document                     | Type  |
|------------------------------|---|
| EH11...41 / EH10...40 / ECX1 | Instruction for EXOflex houses and the EXOflex processor ECX1 |
| EXO System Manual 2005       | Manual covering the EXO System                                |

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