



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-S...41-S / EH10-S...40-S / ECX2.

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
CE	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-S...41-S / EH10-S...40-S / ECX2	Instruction for EXOflex houses and the EXOflex processor ECX2
EXO System Manual	Manual covering the EXO System

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