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Pin connection

CAN-Bus

Error LED
Bus LED (PN)
Bus LED (CAN)
RUN LED

Local bus
(CAN+
Power
supply)

Power supply

Principle circuit diagram

PROFINET – bus coupler

- PROFINET device with integrated 2-port-switch
- redundancy by PROFINET ring
- configurable by GSDML-file
- backplane
- CANopen

- the AM-2PN establishes a connection to the A-M- Systeme CANopen peripheral components via the industrial protocol PROFINET
- the connected CANopen devices are easily configured with the included GSDML-file
- the CAN-Bus can be turned on by either using a plug on the side of the module or on the backplane
- other protocol versions (e.g. Modbus TCP, Profibus, EtherCAT) are available on request

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Description / Item no.

Description	Item no.
AM-2PN	AM-2PN

Accessories

designation system (plug marker)	on request
printed designation system (plug marker)	included
mounting rail bus system (gold)	250 mm, 500 mm, 750 mm

Certification

conformity marking	CE
CANopen	in preparation
RoHS	yes

Technical data

voltage supply	24 VDC
power input (system)	Ca. 400 mA
transmission medium	Twisted Pair Cat 5
max. bus length	100 m
input process image max.	1440 Byte
output process image max.	1440 Byte
connector PROFINET	2 x RJ45
number of submodule	255
number of AM-peripheral modules	40
data	12 x 1 Byte status/error 1 x 1 Byte lamp test
protocol	PROFINET IO, RT Class 1, Conformance Class B, DCP, LLDP, MRP
width x high x depth	45 x 113,6 x 117,2 mm
weight	0,23 kg
ambient temperature (operation and storage)	-20 °C … 55 °C
permissibly humidity (operation and storage)	5 % … 75 % (non-condensing)
degree of protection	IP20
mounting position	any
wire cross-section	0,13 mm² … 2,5 mm²
wire cross-section (AWG)	26 … 14
mechanical tests	EN 60068-2-6/ IEC 60068-2-6
pull-off force	Ca. 18,4 N
type of connection	screw terminal
type of installation	terminal rail

Regulation

EMC	EN 60730-1:2012-10 EN 61000-6-3:2007-9 EN 61000-6-1:2007:10
low voltage directive	2006/95/EC