

Technical data sheet

Ethernet · Unmanaged PoE switches, 4 ports, 10/100/1000 MBit/s

4 RJ45 PoE ports 1GBit/s + 1 RJ45 port 1GBit/s + 1 SFP port 1GBit/s

Compact design, Jumbo Frames up to 9 kB

Redundant supply, extended temperature range



Identification

Type	unm. PoE switch ET-PU5AST
Part No.	772021

Product version

Datasheet version	00
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Communication

Standard	IEEE 802.3, 802.3u, 802.3x, 802.1ab, 802.1z
LAN	10 / 100 / 1000 Base-T(x), 100/1000 SFP Ports
Cable length (segment)	RJ-45 max. 100 m (4-wire Cat.5e, Cat.6 RJ45 cable) SFP max. 110 km
Transfer rate	max. 1000 Mbit/s
Connection technology (data)	5 × RJ45, 1 × SFP (mini-GBIC)
Status display communication	P1, P2, P-Fail, 10/100/1000 T(x): Link/Speed/Activity

Safety

ESD (Ethernet)	DC 4 kV
Surge (EFT for power)	DC 3 kV
Reverse voltage protection	Yes
Rated over load protection	15 W @ 48 V (per PoE port)

Monitoring

Power supply voltage monitoring	Relay, 1 normally open
Switching current	1 A @ DC 24 V
Switching voltage	AC 120 V / DC 28 V
Isolation voltage	DC 500 V

General

Operation voltage range	DC 24–48 V, redundant
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SYSTEMATIC TECHNOLOGY

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Power consumption	60 W full load PoE
Power output	15 W @ 48 V (per PoE port)
Degree of protection	IP30
Relative humidity (operation))10 % – 95 % (non-condensing)
Relative humidity (storage)	10 % – 95 % (non-condensing)
Housing material	Metal
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Any
Connection type	Screw terminal plug-in 0.20 mm ² – 2.5 mm ²
Dimensions (w × h × d)	30.0 mm × 140.0 mm × 95.0 mm
Weight/unit	0.8 kg
PU (units)	1

General ambient conditions

Operation temperature range	-40 °C ... +75 °C
Storage temperature range	-40 °C ... +85 °C

Approvals/Standards

Approvals	cULus CE FCC
Standards	UL 62368 FCC Class A IEC 61000-4-2/3/4/5/6/8 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6

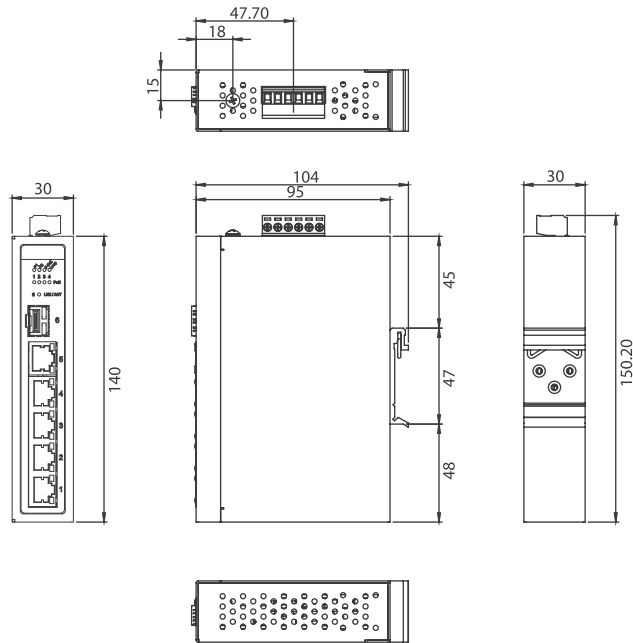
Notes and Comments

Note	For more information on LED definition, see the data sheet.
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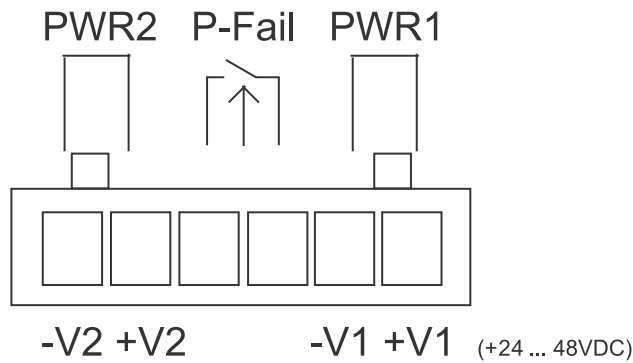
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Dimensions



PIN assignment



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LED status

LED	Color	Description	
P1	Green	On	Power input 1 ist active
		Off	Power input 1 is inactive
P2	Green	On	Power input 2 ist active
		Off	Power input 2 is inactive
P-Fail	Red	On	Power input 1 or 2 is failed
		Off	Power input 1 and 2 are both active, or no power input
PoE (1 ~ 4)	Green	On	A device is connected utilizing Power over Ethernet on the corresponding port
		Off	No device attached or power over Ethernet function failed
LNK/ACT (1~5)	Green	On	Connected to network
		Flashing	Network is active
		Off	Not connected to network
Duplex/ Collision (1~5)	Yellow	On	Ethernet port full duplex
		Flashing	Collision of packets occurs
		Off	Ethernet port half duplex or not connect to network