



<b>Identification</b>	Type	unm. PoE switch ET-PU5ST
	Part-No.	772020
<b>Description</b>		
		10 / 100 Mbit, Auto MDI/MDI-X, DC 48 V, redundant 5 Fast Ethernet ports, autonegotiation ESD 4 kV, Surge 3 kV
<b>Communication</b>		
Standard		IEEE 802.3, 802.3u, 802.3x, 802.3af
LAN		10 / 100 Base-TX
Cable length (segment)		Max. 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
Transfer rate		max. 100 Mbit/s
Connection technology (data)		5 × RJ45
Status display communication		P1, P2, P-Fail, 10/100T(x): link/activity, duplex/collision
<b>Safety</b>		
ESD (Ethernet)		DD 4 kV
Surge (EFT for power)		DC 3 kV
Reverse voltage protection		Yes
Rated over load protection		15,4 W @ 48 V (per PoE port)
<b>Monitoring</b>		

25.08.2017 – Subject to technical modification

Part-No. 772020

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA  
Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223  
www.lutze.com · info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 · Fax +44 (0)1827 31333-2  
www.lutze.com · sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

## Technical data sheet · Ethernet

---

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

---

### General

Operation voltage range	DC 48 V redundant
Power consumption	65 W full load PoE
Power output	15.4 W @ 48 V (per PoE port)
Protection class	IP20
Relative humidity (operation)	5% - 95% (non-condensing)
Relative humidity (storage)	0% - 95% (non-condensing)
Operation temperature range	-10 °C ... +60 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	37.0 × 140.0 × 95.0 mm
Weight	0.600 kg/piece
Housing material	Metal
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	any
Connection device	Screw terminal plug-in 0.20 mm <sup>2</sup> – 2.5 mm <sup>2</sup>
Standards	UL 60950-1 CAN/CSA-C22.2 No. 60950 USA-FCC Part 15 CISPR22 EN 55011 EN 55022 Class A EN 61000-3-2/3 EN 55024 IEC 61000-4-2/3/4/5/6/8 EN 61000-6-2 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6
Approvals	cULus CE FCC
PU	1 piece

---

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

25.08.2017 – Subject to technical modification

Part-No. 772020

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA  
Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223  
www.lutze.com · info@lutze.com

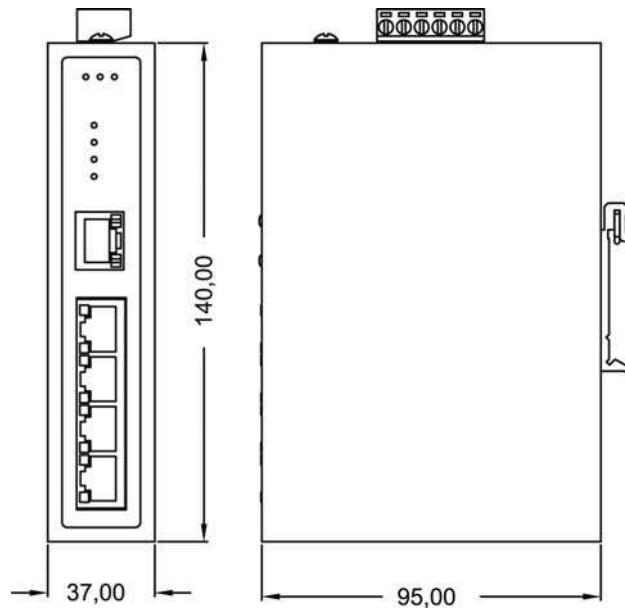
United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 · Fax +44 (0)1827 31333-2  
www.lutze.com · sales.gb@lutze.co.uk

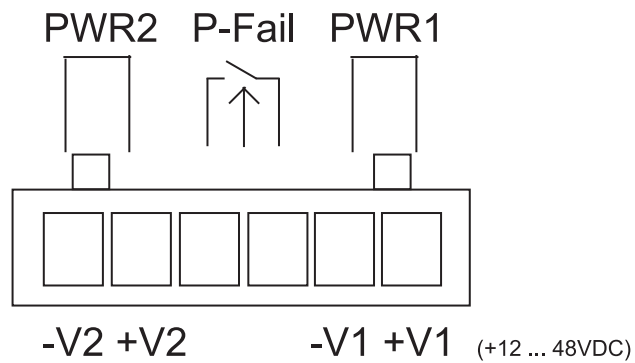


SYSTEMATIC TECHNOLOGY

Dimensions



PIN assignment



25.08.2017 – Subject to technical modification

Part-No. 772020

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA  
Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223  
www.lutze.com · info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 · Fax +44 (0)1827 31333-2  
www.lutze.com · sales.gb@lutze.co.uk

## Technical data sheet · Ethernet

### 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
FWD (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

25.08.2017 – Subject to technical modification

Part-No. 772020

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA  
 Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223  
 www.lutze.com · info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
 Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU  
 Tel. +44 (0)1827 31333-0 · Fax +44 (0)1827 31333-2  
 www.lutze.com · sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY