



Identification	Type	unm. switch ET-SWU4-1STSC
	Part-No.	772005

Description	10/100Base TX, 100Base FX Multi Mode, Auto MDI/MDI-X, DC 12 V / 24 V, redundant 4 Fast Ethernet ports, 1× Multimode SC, 2× Single Mode SC ESD 4 kV, surge 3 kV, full/half duplex operation, broadcast storm protection
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Communication	
Standard	IEEE 802.3, 802.3u, 802.3x
LAN	10 / 100 Base-TX, 100 Base-FX
Cable length (segment)	Copper max. 100 m, multi-mode fibre max. 2000 m
Transfer rate	max. 1000 Mbit/s
Connection technology (data)	4 × RJ45, 1 × SC or 4 × RJ45, 2 × SC
Broadcast Storm Rate Limit	200 pps (200M), 20 pps (10M)
Status display communication	P1, P2, P-Fail, 10/100T(x): link/activity, duplex/collision

Fibre-optic cables (Multi Mode)	
Wavelength	1310 nm
Tx Power	-14 / -20 dBm
Rx sensitivity	-31 dBm
Parameters	50/125 µm, 62.5/125 µm

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Safety

ESD (Ethernet)	DD 4 kV
Surge (EFT for power)	DC 3 kV
Reverse voltage protection	Yes
Rated over load protection	0.9 A @ DC 12 V (1SC), 1.6 A @ DC 12 V (2SC)

Monitoring

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 24–48 V, redundant
Power consumption	5 W (1SC), 6.5 W (2SC)
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 ² – 2.5 mm ²
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

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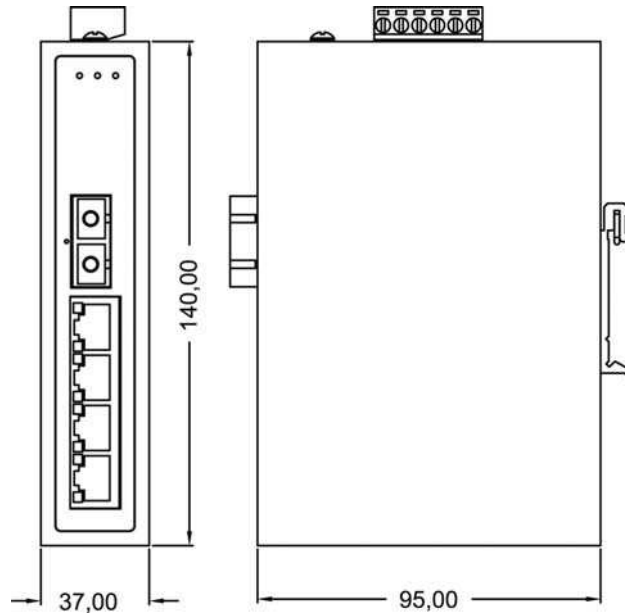
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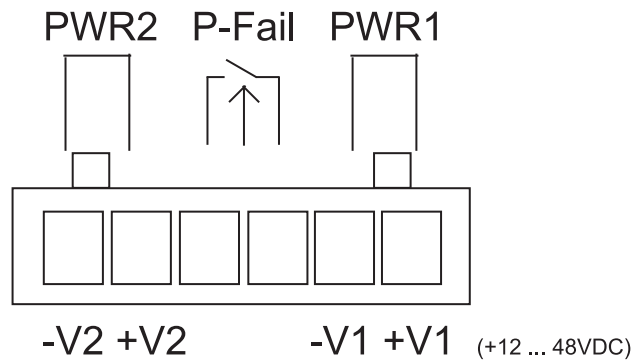
Approvals	cULus CE FCC
PU	1 piece

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

Dimensions



PIN assignment



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LED status

LED	Color	Description	
P1	Green	On	Power input 1 is active
		Off	Power input 1 is inactive
P2	Green	On	Power input 2 is active
		Off	Power input 2 is inactive
P-Fail	Red	On	Power input 1 or 2 is active
		Off	Power input 1 and 2 are both active or no power input
Link/Active	Green	On	Connected to network
		Flashing	Networking is active
		Off	Not connected to network
Duplex/ Collision	Yellow	On	Ethernet portfull duplex
		Flashing	Collision of packets occurs
		Off	Ethernet port half duplex or connect to network

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