



<b>Identification</b>	Type	Media Converter MC2033
	Part-No.	772033
<b>Description</b>		
		1×10/100 Mbps RJ45; 1×10/100 Mbps SC, Auto MDI/MDI-X auto crossover DC 12 V - DC 48 V, redundant Full/half duplex operation, autonegotiation, ESD 4 kV, surge 3 kV
<b>Communication</b>		
Standard		IEEE 802.3, 802.3u, 802.3x
LAN		10 / 100 Base-TX, 100 Base-FX
Cable length (segment)		Ethernet: max. 100 m, Fibre: 2000 m (multimode), 30,000 m (single mode)
Transfer rate		max. 100 Mbit/s
Connection technology (data)		1 × RJ45, 1 × SC, 6-pin connector
Status display communication		P1, P2, P-Fail, Fibre: HDX/FDX, Link/Activity, Ethernet: 10/100 M, Link/Activity
<b>Fibre-optic cables (Single Mode)</b>		
Wavelength		1310 nm
Tx Power		-3 / -9.5 dBm
Rx sensitivity		-20 dBm
Parameters		9/125 µm
<b>Fibre-optic cables (Multi Mode)</b>		

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DIP switch Port / Power Alarm, LFP, Fibre: HDX/FDX, converter/switch

### 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, resettable

### 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 12–48 V, redundant
Power consumption	max. 5 W
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

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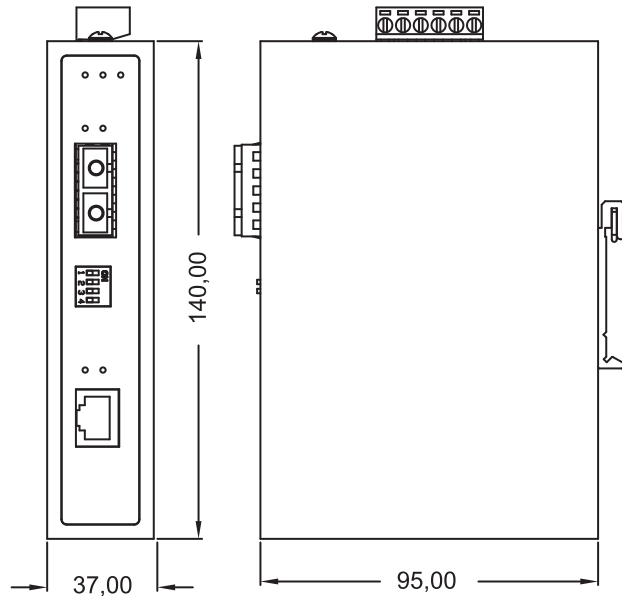
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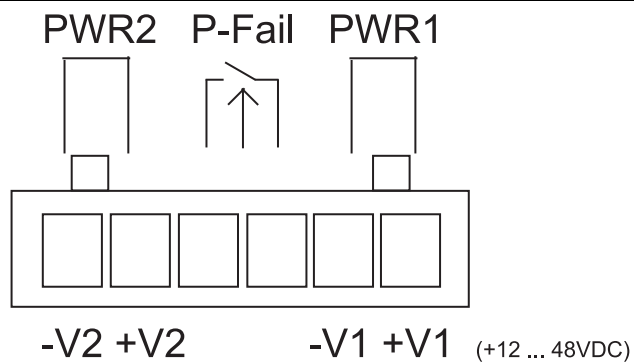
Approvals	cULus CE FCC
PU	1 piece

**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 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 2has failed
		Off	Power input 1 and 2 are both functional, or no power input
HDX/FDX (fiber port)	Yellow	On	Ethernet port full duplex
		Off	Ethernet port half duplex or not connect to network
LNK/ACT (fiber port)	Green	On	Connected to network
		Flashing	Network is active
		Off	Not connected to network
10/100M (RJ-45)	Yellow	On	Link to 100M bps network
		Off	Link to 10M bps network
LNK/ACT (RJ-45)	Green	On	Connected to network
		Flashing	Networking is active
		Off	Not connected to network

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