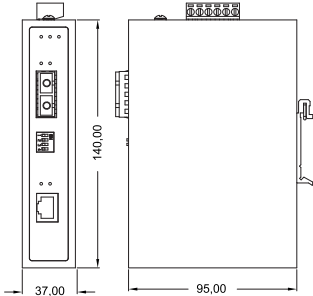


Ethernet · Media converter

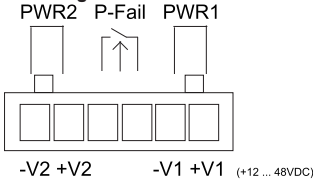
1×10/100 Mbps RJ45; 1×10/100 Mbps SC, Auto MDI/MDI-X auto crossover
 DC 12 V - DC 48 V, redundant
 Full/half duplex operation, autonegotiation, ESD 4 kV, surge 3 kV



Dimensions



PIN assignment



Description	Part-No.	Type	PU	
MM=Multimode, SM=Single Mode				
Description	Media Converter MM	772032	MC2032	1
	Media Converter SM	772033	MC2033	1

Communication	772032	772033
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)	
Rate of transmission	Max. 100 Mbps	
Connection technology (data)	1 × RJ45, 1 × SC, 6-pin connector	
Broadcast Storm Rate Limit	-	
Status Indication	P1, P2, P-Fail, Fibre: HDX/FDX, Link/Activity, Ethernet: 10/100 M, Link/Activity	

Fibre-optic cables (Multi Mode)		
Wavelength	850 nm	-
Tx Power	-4/-9.5 dBm	-
Rx sensitivity	-18 dBm	-
Parameters	50 / 125 um, 62.5 / 125 um	-

Fibre-optic cables (Single Mode)		
Wavelength	-	1310 nm
Tx Power	-	-3/-9.5 dBm
Rx sensitivity	-	-20 dBm
Parameters	-	9 / 125 um
DIP switch	Port / Power Alarm, LFP, Fibre: HDX/FDX, converter/switch	

General	
Operation voltage range	DC 12 V - DC 48 V, redundant
Power consumption	Max. 5 W
Operation temperature range	-10 °C – 60 °C
Storage temperature range	-40 °C – 85 °C
Relative humidity (operation)	5% - 95% (non-condensing)
Relative humidity (storage)	0% - 95% (non-condensing)
Protection class	IP 30
Standards	UL 60950-1, CAN/CSA-C22.2 No.60950 U.S.A.: FCC Part 15 CISPR 22 EU: EN 55011, EN 61000-6-4, EN 55022 Class A, EN 61000-3-2/3, EN 55024, IEC 61000-4-2/3/4/5/6/8 EN 61000-6-2, IEC60068-2-27, IEC 60068-2-32, IEC 60068-2-6

Approvals	
	cULus, CE, FCC

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

Mechanics	
Dimensions (w × h × d)	37.0 × 140.0 × 95.0 mm
Housing material	Metal
Field installation	rail TS 35 (EN 50022)
Installation position	Any
Weight (kg/piece)	0.600
Termination	Screw terminal, plug-in: 0.2–2.5 mm ²

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

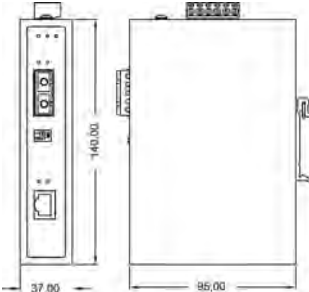
Note
 For more information on LED definition, see the data sheet.

Ethernet - Media converter

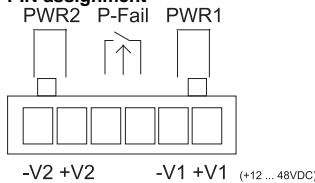
1x1000 Mbps RJ45, 1x1000 Mbps SC, Auto MDI/MDI-X auto crossover
DC 12 V - DC 48 V, redundant
Full/half duplex operation, autonegotiation, ESD 4 kV, surge 3 kV



Dimensions



PIN assignment



Description	Part-No.	Type	PU
MM=Multimode, SM=Single Mode			
Description	Media Converter MM	772030 MC2030	1
	Media Converter SM	772031 MC2031	1

Communication	772030	772031
Standard	IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3z	
LAN	10 / 100 / 1000 Base-TX, 1000 Base-SX, 1000 Base-LX	
Cable length (segment)	Ethernet: max. 100 m, Fibre: 550 m (multimode), 10,000 m (single mode)	
Rate of transmission	Max. 1000 Mbps	
Connection technology (data)	1 x RJ45, 1 x SC, 6-pin connector	
Broadcast Storm Rate Limit	-	
Status Indication	P1, P2, P-Fail, Fibre: Link/Activity, Ethernet: 1000 M, Link/Activity	

Fibre-optic cables (Multi Mode)		
Wavelength	850nm	-
Tx Power	-4/-9.5 dBm	-
Rx sensitivity	-18 dBm	-
Parameters	50 / 125 µm, 62.5 / 125 µm	

Fibre-optic cables (Single Mode)		
Wavelength	-	1310 nm
Tx Power	-	-3/-9.5 dBm
Rx sensitivity	-	-20 dBm
Parameters	9 / 125 µm	
DIP switch	Port Alarm, LFP	

General		
Operation voltage range	DC 12 V - DC 48 V, redundant	
Power consumption	5.18 W	5.30 W
Operation temperature range	-10 °C – 60 °C	
Storage temperature range	-40 °C – 85 °C	
Relative humidity (operation)	5% - 95% (non-condensing)	
Relative humidity (storage)	0% - 95% (non-condensing)	
Protection class	IP 30	
Standards	UL 60950-1, CAN/CSA-C22.2 No.60950 U.S.A.: FCC Part 15 CISPR 22 EU: EN 55011, EN 61000-6-4, EN 55022 Class A, EN 61000-3-2/3, EN 55024, IEC 61000-4-2/3/4/5/6/8 EN 61000-6-2, IEC60068-2-27, IEC 60068-2-32, IEC 60068-2-6	

Approvals cULus, CE, FCC

Safety	
ESD (Ethernet)	DD 4 kV
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Dimensions (w x h x d)	37.0 x 140.0 x 95.0 mm
Housing material	Metal
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Installation position	Any
Weight (kg/piece)	0.600
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Monitoring	
Power supply voltage monitoring	Relay, 1 normally open
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Insulation voltage	DC 500 V

Note
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