



KEY FEATURES

- Converts 1 x 10/100Base-TX Ethernet with 1 x bidirectional Contact Closure to 100/1000Base-X SFP fiber
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Wide, polarity insensitive power input range 9-48VDC or 9-24VAC
- Metal case, no fan design
- DIN-Rail mount
- 5 years warranty



INTRODUCTION

The MCC-D4 Industrial grade Ethernet Media Converter with Contact Closure is designed to transmit and receive 10/100Mbps Ethernet data and bidirectional Contact Closure signal over optical fiber through user selectable SFP module options. Housed in rugged metal Din-rail enclosure, no fan design with extreme temperatures operation, makes those converters a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Ethernet	
Copper ports and speed	1 x 10/100Base-TX, RJ45 connector
Fiber ports and speed	1 x 100/1000Base-X SFP slot
Processing type	Store and Forward
Working mode	Full duplex or half duplex
Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX
Contact Closure	
Channels number & direction	1ch both directions
Output type	Normally Open (N.O.) or Normally Closed (N.C.)
Max Output Voltage	110VAC/30VDC
Max Output Current	3A
Input type	Dry contact
Connector	5pin terminal block

Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-55°C ~ +85°C
Relative Humidity	0 ~ 95% non-condensing
MTBF	480.000h
Electrical and Physical	
Redundant Power Input	9-48VDC or 9-24VAC, Terminal block with screws, Polarity insensitive
Weight	~200g
Dimensions (H * D * W)	90 * 70 * 30mm (without connectors and mount clip)
Mounting	Din-rail
Certification	
Standards	Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
MCC-D4	Industrial 1*10/100Base-TX Ethernet with 1*bidirectional Contact Closure to 1*100/1000Base-X SFP fiber converter, 9-48VDC or 9-24VAC input, Din-Rail

OTHER

SFP module and Power supply is not included and to be purchased separately
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