

Introduction

AB4x4 is a module with 4 analog inputs and 4 analog outputs designed for standard DIN rail mounting with proprietary MTBus.

The inputs can be of the differential type with a range of -10..+10V or of the current type with a range of 0..20 mA.

The analog output range is -10..+10V.

The module indicates its status via three diagnostic LEDs.



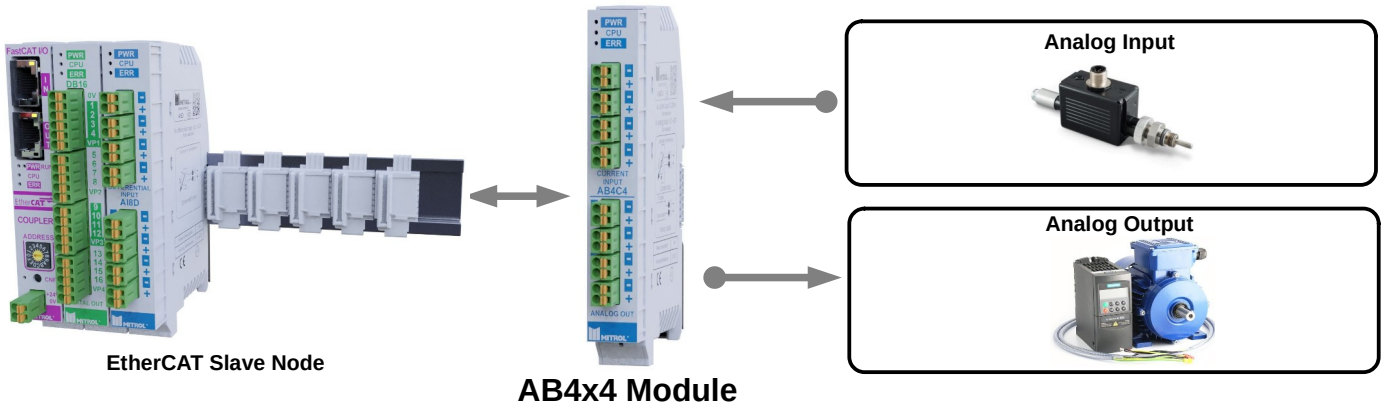
Hardware Specification

Model	AB4D4	AB4C4
Analog Input		
Channels	4	
Analog type	Differential	Current
Analog range	-10..+10V	0..20mA / 4..20mA
Resolution	16bit	
Conversion time	1ms for all inputs	
Digital filter	Configurable	
Common mode range	±20V (referred to internal GND)	
Analog output		
Channels	4	
Analog range	-10..+10V	
Resolution	12bit	
Load for channel	Max 5mA	

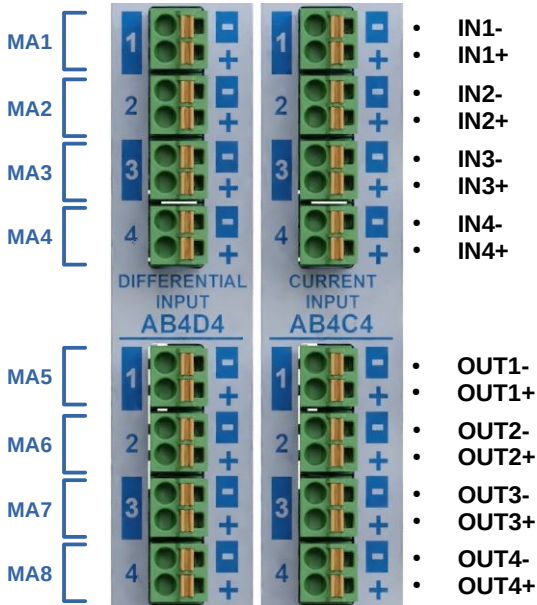


Model	AB4D4	AB4C4
Electrical		
Electrical isolation	500Vrms	
Power consumption	1W	
Interface	Proprietary MTBus	
Stripping length	8-9mm	
Specification	EN 61131-2	
Diagnostic leds	Power (green); CPU (yellow); Error (red)	
Mechanical		
Dimensions [W x H x D]	19x120x93mm	
Installation	On 35mm DIN-Rail	
Environment		
Operating/storage temperature	0..55°C / -20..+85°C	
Relative humidity	Max 95% without condensation	
Degree of protection	IP20	

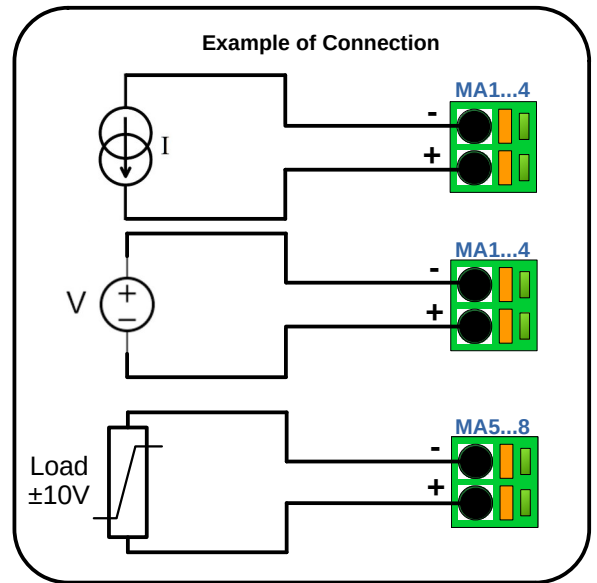
Application



Pin Assignments



Wire Connections



Dimensions (Units: mm)

