

mvTBI-EPWE

EtherCAT Power Expander



Features

- Repeats both Field and E-Bus power
- Field Voltage supplied: 24 V \pm 5%
- Field Max. Current supplied: 10 A
- E-Bus Voltage supplied: 5 V
- Max current supplied in E-Bus : 3 A
- No configuration required
- Transparent for EtherCAT master

Applications

- E-BusField Power Expander

Overview

The **mvTBI-EPWE** board is a Power Expander that supplies further Field and E-Bus power wherever it is needed.

This board can be used when power requirement of EtherCAT terminals is greater than the maximum power supplied by the Bus Coupler.

mvTBI-EPWE module can supply a maximum current of 3A for E-Bus and 10A for Field.

mvTBI-EPWE module is transparent for EtherCAT Master, and it could be inserted directly in the middle of your slave system on the mounting rail.

Multiple **mvTBI-EPWE** modules can be used on the same E-Bus chain

Hardware Specifications	Environmental Specifications
<p>Power Requirements</p> <p>Voltage 24 V ± 5%, Current (without loads) 70 mA typ.</p> <p>Power Supplied</p> <p>E-Bus 5 V, 3 A max. Field 24 V ± 5%, 10 A max.</p> <p>Dimensions</p> <p>Height 99 mm Width 22,5 mm Depth 114,5 mm</p> <p>Mounting</p> <p>On 35mm mounting rail conform to EN 50022</p>	<p>Temperature</p> <p>Operating 0° to 65° C (32° to 149° F) Non operating -40° to 85° C (-40° to 185° F)</p> <p>Humidity 20 to 95% RH, non-condensing</p> <p>Altitude</p> <p>Operating Sea level to 10,000 ft. (3048m) Non operating Sea level to 40,000 ft. (12192m)</p> <p>Vibration</p> <p>Operating 5 to 2,000 Hz .015" (.38 mm) peak-to-peak displacement 2.5g (maximum) acceleration, Nonoperating 5 to 2,000 Hz .030" (.76 mm) peak-to-peak displacement 5.0 g (maximum) acceleration,</p> <p>Shock</p> <p>Operating 30 g peak acceleration 11 msec duration Nonoperating 50 g peak acceleration 11 msec duration</p>
	<p>EtherCAT Compliance</p> <ul style="list-style-type: none"> – IEC 61158-2-12 – IEC 61158-3-12 – IEC 61158-4-12 – IEC 61158-5-12 – IEC 61158-6-12 – EtherCAT Slave Device Description Documentation
	<p>Warranty</p> <p>The mvTBI-EPWE carries a one-year warranty.</p>
	<p>Ordering Information</p> <p>mvTBI-EPWE : EtherCAT E-Bus Power Repeater</p>

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