G000264

Bus Isolator M H

Part no 5100070-01A

General Description

Bus Isolator M divides the system backbone bus into galvanic isolated segments. Its dual functionality isolates communications and basic backup signals between the stretched system parts and provides power to the control panel (e.g. Control Panel M 4.3).

For details on assembling a system and definitions of common system terms, refer to the Installation Manual.

Data

|	
Operating voltage range	19-30 VDC
Current consumption (at 24V)	30 mA
Basic Backup	+
Cable terminals	2.5 mm^2
Operating temperature range	-40°C to +85°C (Tx)
Weight (with housing)	120g
Spare part no. (one isolator, without housing)	5100069-01A
Certified according to	EN 50155

Channel selector

The Bus Isolator M isolates one channel only, so two modules are needed per central. Select the appropriate channel with the channel selector.

1=BBE1
2=BBE2
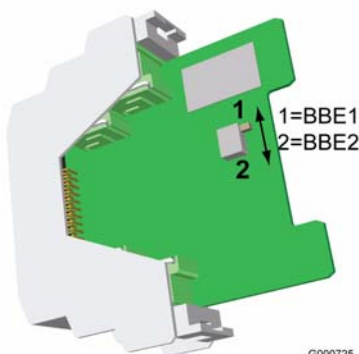
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Indicators

The LEDs on the Bus Isolator M indicate the status of the outputs.
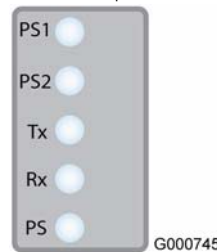
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Indicator	Indicator color	Status
PS1 (Input voltage 1)	Green	OK
	Yellow	No input voltage Fuse 1 blown
PS2 (Input voltage 2)	Green	OK
	Yellow	No input voltage Fuse 2 blown
Tx (RS485)	Green	OK
	None	No communication
Rx (RS485)	Green	OK
	None	No communication
PS (Internal Power supply)	Green	OK
	Yellow	Internal power fault

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Connections

Connector No.	Function	Description
11	+	RS485 In
12	-	
13	SG	
21	+	RS485 Out
22	-	
23	SG	
31	+	Basic Backup *
32	SG	
33	-	
41	+	24V 0,5A
42	-	
43		Not used

NOTE!

* A resistor, 2 kΩ, is pre-fitted between connectors 31 and 32. Remove the resistor if the output is being used.

Module Dimensions (mm)
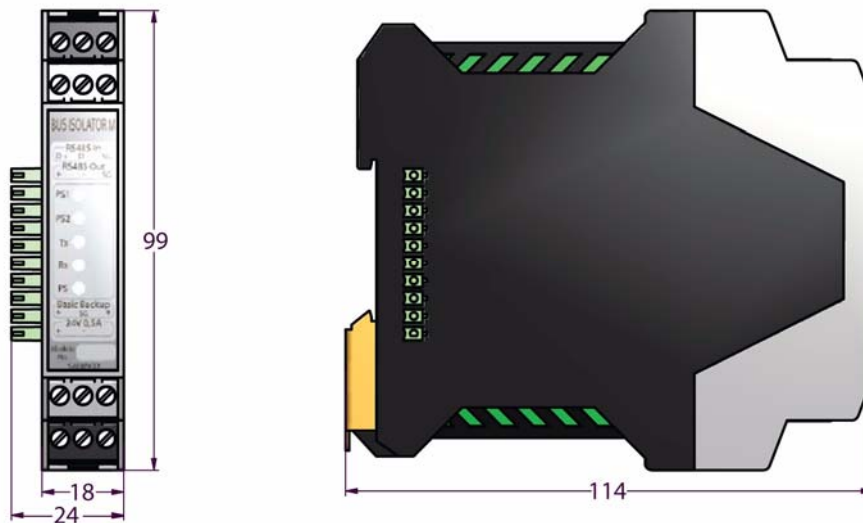
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Mounting

Mount the module horizontally on a rail.