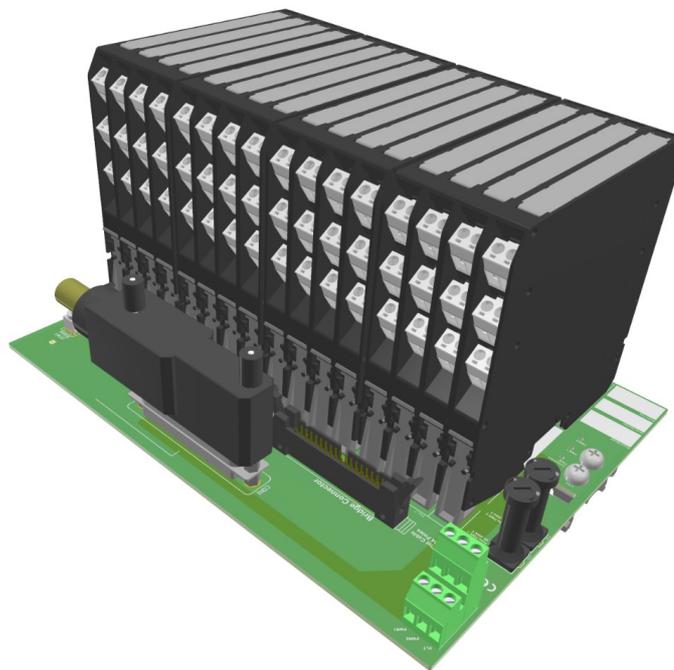


Customized Termination Boards D5000/D6000 Series

FOXBORO FBM200

These Termination Boards (TB) provide direct connection between the I/O Card of the system and D5000 / D6000 Series modules, which interface the field. Intrinsically Safe protection and signal isolation between Safe and Hazardous Area are provided by D5000 Series Associated Apparatus. Two 24 Vdc Power Supplies are connected to the TB to enforce redundancy. Power supplies out of range and cumulative module fault can be monitored through a dedicated contact. Modules are supplied via Termination Board power bus. TB are provided with DIN-Rail mounting kit with plastic clips.



Analog Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM201 FBM214 FBM214b FBM216 FBM216b	8	TB-D5008-INV-002	8	D5011S, D5014S, D5015SS, D5016SS, D5072S	1	Type 1	
FBM201 FBM214 FBM214b FBM216 FBM216b	8	TB-D5008-INV-002	8	D5011D, D5014D, D5016DS, D5072D	2	Type 1	Ch. Numbering 1A,...8A on CON1 1B,...8B on CON2
FBM201 FBM214 FBM214b FBM216 FBM216b	8	TB-D5008-INV-004	8	D5011D, D5014D, D5016DS, D5072D	2	Type 1	Ch. Numbering 1A,1B...4A,4B on CON1 5A,5B...8A,8B on CON2
FBM211 FBM214e	16	TB-D5016-INV-004	16	D5011S, D5014S, D5015SS, D5016SS, D5072S	1	Type 4	
FBM211 FBM214e	16	TB-D5016-INV-004	16	D5011D, D5014D, D5016DS, D5072D	2	Type 4	
FBM211 FBM214e	16	TB-D5008-INV-001	8	D5011D, D5014D, D5016DS, D5072D	1	Type 4	

Analog Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM215 FBM218 FBM237	8	TB-D5008-INV-002	8	D5020S	1	Type 1	
FBM215 FBM218 FBM237	8	TB-D5008-INV-002	8	D5020D	2	Type 1	Ch. Numbering 1A,...8A on CON1 1B,...8B on CON2
FBM215 FBM218 FBM237	8	TB-D5008-INV-004	8	D5020D	2	Type 1	Ch. Numbering 1A,1B...4A,4B CON1 5A,5B...8A,8B CON2

Analog Input + Analog Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM244	4+4	TB-D5008-INV-002	8	D5011S, D5014S, D5015SS, D5016SS, D5072S + D5020S	1	Type 1	
FBM244	4+4	TB-D5008-INV-002	8	D5011D, D5014D, D5016DS, D5072D + D5020D	2	Type 1	Ch. Numbering 5A,...,8A, 1A,...,4A on CON1 5B,...,8B, 1B,...,4B on CON2
FBM244	4+4	TB-D5008-INV-004	8	D5011D, D5014D, D5016DS, D5072D + D5020D	2	Type 1	Ch. Numbering 5A,5B,...,8A, 8B on CON1 1A, 1B,...,4A,4B on CON2
FBM204 FBM205 FBM208b FBM245	4+4	TB-D5008-INV-002	8	D5011S, D5014S, D5015SS, D5016SS, D5072S + D5020S	1	Type 1	
FBM204 FBM205 FBM208b FBM245	4+4	TB-D5008-INV-002	8	D5011D, D5014D, D5016DS, D5072D + D5020D	2	Type 1	Ch. Numbering 5A,...,8A, 1A,...,4A on CON1 5B,...,8B, 1B,...,4B on CON2
FBM204 FBM205 FBM208b FBM245	4+4	TB-D5008-INV-004	8	D5011D, D5014D, D5016DS, D5072D + D5020D	2	Type 1	Ch. Numbering 5A,5B,...,8A, 8B on CON1 1A, 1B,...,4A,4B on CON2



Digital Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM207b	16	TB-D5016-INV-007	16	D5031S, D5032S, D5037S	1	Type 4	
FBM207b	16	TB-D5016-INV-007	16	D5031D, D5032D, D5037D	2	Type 4	
FBM207b	16	TB-D5008-INV-001	8	D5032D	1	Type 4	
FBM207c	16	TB-D5008-INV-001	8	D5032D	1	Type 4	
FBM207c	16	TB-D5016-INV-007	16	D5032S	1	Type 4	
FBM207c	16	TB-D5016-INV-007	16	D5032D	2	Type 4	
FBM217	32	TB-D5016-INV-005	16+16	D5031S, D5032S, D5037S	1	Type 4	
FBM217	32	TB-D5016-INV-002	16	D5031D, D5032D, D5037D	1	Type 4	Ch. Numbering 1A,...16A,1B,...16B
FBM217	32	TB-D5016-INV-006	16	D5031D, D5032D, D5037D	1	Type 4	Ch. Numbering 1A,1B,...,16A,16B

Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM242	16	TB-D5016-INV-003	16	D5040S, D5048S, D5049S	1	Type 4	
FBM242	16	TB-D5016-INV-003	16	D5040D	2	Type 4	
FBM242	16	TB-D5016-INV-003-2	16	D5040S, D5048S, D5049S	1	Type 4	Actuators can be individually disconnected

Digital Input + Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM241c	8+8	TB-D5012-INV-001	12	D5031D, D5032D, D5037D + D5040S, D5048S, D5049S	1	Type 4	4 Double Ch. DI + 8 Single Ch. DO

Universal

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM247 FBM248	8	TB-D5008-INV-005	8	D5014S, D5015SK, D5016SK, D5072S-099, D5020S, D5031S, D5032S, D5037S, D5049S	1	Type 1	

Analog Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM201 FBM214 FBM214b FBM216 FBM244	8	TB-D5008-INV-002	8	D6002S, D6004S, D6011S, D6014S, D6015SS, D6016SS, D6017SS, D6072S	1	Type 1	
FBM201 FBM214 FBM214b FBM216 FBM244	8	TB-D5008-INV-002	8	D6000D, D6004D, D6011D, D6014D, D6016DS, D6072D	2	Type 1	Ch. Numbering 1A,...8A on CON1 1B,...8B on CON2
FBM201 FBM214 FBM214b FBM216 FBM244	8	TB-D5008-INV-004	8	D6000D, D6004D, D6011D, D6014D, D6016DS, D6072D	2	Type 1	Ch. Numbering 1A,1B...4A,4B on CON1 5A,5B...8A,8B on CON2
FBM211 FBM214e	16	TB-D5016-INV-004	16	D6002S, D6004S, D6011S, D6014S, D6015SS, D6016SS, D6017SS, D6072S	1	Type 4	
FBM211 FBM214e	16	TB-D5016-INV-004	16	D6000D, D6004D, D6011D, D6014D, D6016DS, D6072D	2	Type 4	
FBM211 FBM214e	16	TB-D5008-INV-001	8	D6000D, D6004D, D6011D, D6014D, D6016DS, D6072D	1	Type 4	
FBM211 FBM214e	16	TUE-16-INV-001			1	Type 4	No modules, direct connection to field

Analog Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM237 FBM215 FBM218	8	TB-D5008-INV-002	8	D6002S, D6020S	1	Type 1	
FBM237 FBM215 FBM218	8	TB-D5008-INV-002	8	D6000D, D6020D	2	Type 1	Ch. Numbering 1A,...8A on CON1 1B,...8B on CON2
FBM237 FBM215 FBM218	8	TB-D5008-INV-004	8	D6000D, D6020D	2	Type 1	Ch. Numbering 1A,1B...4A,4B on CON1 5A,5B...8A,8B on CON2

Analog Input + Analog Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM204 FBM205 FBM208b FBM244 FBM245	4+4	TB-D5008-INV-002	8	D6002S, D6004S, D6011S, D6014S, D6015SS, D6016SS, D6017SS + D6020S	1	Type 1	
FBM204 FBM205 FBM208b FBM244 FBM245	4+4	TB-D5008-INV-002	8	D6000D, D6004D, D6011D, D6014D, D6016DS, D6072D + D6020D	2	Type 1	Ch. Numbering 5A,...,8A,1A,...,4A on CON1 5B,...,8B,1B,...,4B on CON2
FBM204 FBM205 FBM208b FBM244 FBM245	4+4	TB-D5008-INV-004	8	D6000D, D6004D, D6011D, D6014D, D6016DS, D6072D + D6020D	2	Type 1	Ch. Numbering 5A,5B,...,8A, 8B on CON1 1A, 1B,...,4A,4B on CON2

Digital Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM207b	16	TB-D5016-INV-007	16	D6002S, D6031S, D6032S, D6037S, D5093S	1	Type 4	
FBM207b	16	TB-D5016-INV-007	16	D6000D, D6031D, D6032D, D6037D, D5093D	2	Type 4	
FBM207b	16	TB-D5008-INV-001	8	D6000D, D6032D, D5093D	1	Type 4	

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Functional Safety Management Certification:
GM International is certified to conform to IEC61508:2010 part 1 clauses 5-6 for safety related systems up to and included SIL3. In addition, GM International products have been granted I.S. certificates from the most credited Notified Bodies in the world.

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I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM207c	16	TB-D5008-INV-001	8	D6032D	1	Type 4	
FBM207c	16	TB-D5016-INV-007	16	D6032S	1	Type 4	
FBM207c	16	TB-D5016-INV-007	16	D6032D	2	Type 4	
FBM217	32	TB-D5016-INV-005	16+16	D6002S, D6031S, D6032S, D6037S, D5093S	1	Type 4	
FBM217	32	TB-D5016-INV-002	16	D6000D, D6031D, D6032D, D6037D, D5093D	1	Type 4	Ch. Numbering 1A,...16A,1B,...16B
FBM217	32	TB-D5016-INV-006	16	D6000D, D6031D, D6032D, D6037D, D5093D	1	Type 4	Ch. Numbering 1A,1B,...16A,16B
FBM217	32	TUE-32-INV-001			1	Type 4	No modules, direct connection to field

Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM242	16	TB-D5016-INV-003	16	D5090S, D5091S, D5094S, D5095S, D5096S, D5097S, D5098S, D5099S-108, D6002S, D6003S	1	Type 4	
FBM242	16	TB-D5016-INV-003	16	D5098D, D5099D-108, D6000D	2	Type 4	
FBM242	16	TB-D5016-INV-003-2	16	D5090S, D5091S, D5094S, D5095S, D5096S, D5097S, D5098S, D5099S-108, D6002S, D6003S	1	Type 4	Actuators can be individually disconnected

Digital Input + Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM241c	8+8	TB-D5012-INV-001	12	D5093D, D6000D, D6031D, D6032D, D6037D + D5090S, D5091S, D5094S, D5095S, D5096S, D5097S, D5098S, D5099S-108, D6002S, D6003S	1	Type 4	4 Double Ch. DI + 8 Single Ch. DO

Universal

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
FBM247 FBM248	8	TB-D5008-INV-005	8	D5093S-TB, D5099S, D6002S, D6003S, D6004S, D6014S, D6015SK, D6016SK, D6017SK-TB, D6020S, D6031S, D6032S, D6037S, D6072S-109	1	Type 1	