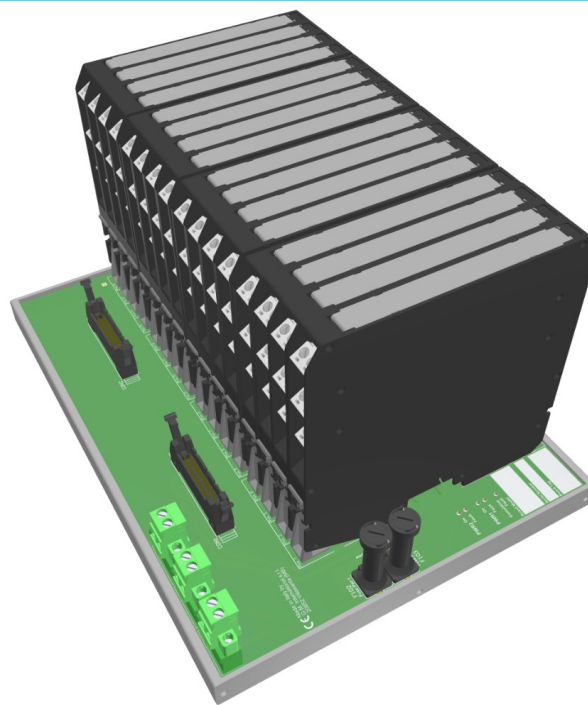


Customized Termination Boards D5000/D6000 Series

MODICON M580 & M580 Safety

These Termination Boards, with (TBE) or without (TB) metal enclosure, 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. 24 Vdc Power Supply of the TB is connected to two plug-in terminal blocks 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 one universal mounting kit for wall and DIN-Rail, while TBE can be mounted on DIN-Rail with either plastic or metal clips, depending on the chosen accessory.



Analog Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXSAI0410	4	TBE-D5008-MOD-001	8	D5011S, D5014S, D5015SS, D5016SS, D5072S	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSAI0410	4	TBE-D5008-MOD-001	8	D5011D, D5014D, D5016DS, D5072D	4	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSAI0410	4	TBE-D5008-MOD-001	8	D5014D, D5016DS, D5072D	2+2(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Digital Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXSDI1602	16	TBE-D5016-MOD-001	16	D5031S, D5032S, D5037S, D5038SD	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDI1602	16	TBE-D5016-MOD-001	16	D5031D, D5032D, D5037D, D5038DD	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDI1602	16	TBE-D5016-MOD-001	16	D5031D, D5032D, D5038XD	1+1(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXSDO0802	8	TBE-D5008-MOD-001	8	D5040S, D5048S, D5049S	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDO0802	8	TBE-D5008-MOD-001	8	D5040D	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.



MODICON M580 Safety

NON-IS Applications

Analog Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXSAI0410	4	TBE-D5008-MOD-001	8	D6001S, D6004S, D6011S, D6014S, D6015SS, D6016SS, D6017SS, D6072S	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSAI0410	4	TBE-D5008-MOD-001	8	D6001D, D6004D, D6011D, D6014D, D6016DS, D6072D	4	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSAI0410	4	TBE-D5008-MOD-001	8	D6001D, D6004D, D6014D, D6016DS, D6072D	2+2(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Digital Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXSDI1602	16	TBE-D5016-MOD-001	16	D5093S, D6001S, D6031S, D6032S, D6037S, D6038SD	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDI1602	16	TBE-D5016-MOD-001	16	D5093D, D6001D, D6031D, D6032D, D6037D, D6038DD	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDI1602	16	TBE-D5016-MOD-001	16	D6001D, D6031D, D6032D, D6038XD	1+1(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXSDO0802	8	TBE-D5008-MOD-001	8	D5090S, D5091S, D5094S, D5095S, D5096S, D5096S-100, D5097S, D5098S, D6001S	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDO0802	8	TBE-D5008-MOD-001	8	D5098D, D6001D	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXSDO0802	8	TBE-D5008-MOD-001	8	D5098D	1+1(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Analog Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXAMI08x0 (*1)	8	TBE-D5008-MOD-002	8	D5011S, D5014S, D5015SS, D5016SS, D5072S	1	BMXFTAxx0(*2)	
BMXAMI08x0 (*1)	8	TBE-D5008-MOD-002	8	D5011S, D5014S, D5015SS, D5016SS, D5072S	1+1(*3)	BMXFTAxx0(*2)	

(*1) BMXAMI0800 or BMXAMI0810. (*2) "xx" indicates the length, refer to Schneider documentation for more details.

(*3) With I/O card redundancy.

Analog Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXAMO0802	8	TBE-D5008-MOD-003	8	D5020S	1	BMXFTAxx2(*1)	HART® not supported
BMXAMO0802	8	TBE-D5008-MOD-003	8	D5020S	1+1(*2)	BMXFTAxx2(*1)	HART® not supported
BMXAMO0410	4	TBE-D5004-MOD-001	4	D5020S	1	BMXFCAxx0(*1)	
BMXAMO0410	4	TBE-D5004-MOD-001	4	D5020S	1+1(*2)	BMXFCAxx0(*1)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details.

(*2) With I/O card redundancy.

Digital Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXDDI1602	16	TBE-D5016-MOD-002	16	D5031S, D5032S, D5037S	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDI1602	16	TBE-D5016-MOD-002	16	D5031D, D5032D, D5037D	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDI1602	16	TBE-D5016-MOD-002	16	D5031D, D5032D	1+1(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDI3202K	32	TBE-D5016-MOD-004	16	D5031S, D5032S, D5037S	1/2	BMXFCCxx3(*1)	
BMXDDI3202K	32	TBE-D5016-MOD-004	16	D5031D, D5032D, D5037D	1	BMXFCCxx3(*1)	
BMXDDI3202K	32	TBE-D5016-MOD-004	16	D5031D, D5032D	1/2+1/2 (*3)	BMXFCCxx3(*1)	
BMXDDI6402K	64	TBE-D5016-MOD-004	16	D5031S, D5032S, D5037S	1/4	BMXFCCxx3(*1)	
BMXDDI6402K	64	TBE-D5016-MOD-004	16	D5031D, D5032D, D5037D	1/2	BMXFCCxx3(*1)	
BMXDDI6402K	64	TBE-D5016-MOD-004	16	D5031D, D5032D	1/4+1/4 (*3)	BMXFCCxx3(*1)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXDDO1602	16	TBE-D5016-MOD-003	16	D5040S, D5048S, D5049S	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDO1602	16	TBE-D5016-MOD-003	16	D5040D	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDO3202K	32	TBE-D5016-MOD-005	16	D5040S, D5048S, D5049S	1/2	BMXFCCxx3(*1)	
BMXDDO3202K	32	TBE-D5016-MOD-005	16	D5040D	1	BMXFCCxx3(*1)	
BMXDDO6402K	64	TBE-D5016-MOD-005	16	D5040S, D5048S, D5049S	1/4	BMXFCCxx3(*1)	
BMXDDO6402K	64	TBE-D5016-MOD-005	16	D5040D	1/2	BMXFCCxx3(*1)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

MODICON M580

NON-IS Applications

Analog Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXAMI08x0 (*1)	8	TBE-D5008-MOD-002	8	D6001S, D6004S, D6011S, D6014S, D6015SS, D6016SS, D6017SS, D6072S	1	BMXFTAxx0(*2)	
BMXAMI08x0 (*1)	8	TBE-D5008-MOD-002	8	D6001S, D6004S, D6011S, D6014S, D6015SS, D6016SS, D6017SS, D6072S	1+1(*3)	BMXFTAxx0(*2)	

(*1) BMXAMI0800 or BMXAMI0810. (*2) "xx" indicates the length, refer to Schneider documentation for more details.

(*3) With I/O card redundancy.

Analog Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXAMO0802	8	TBE-D5008-MOD-003	8	D6001S, D6020S	1	BMXFTAxx2(*1)	HART® not supported
BMXAMO0802	8	TBE-D5008-MOD-003	8	D6001S, D6020S	1+1(*2)	BMXFTAxx2(*1)	HART® not supported
BMXAMO0410	4	TBE-D5004-MOD-001	4	D6001S, D6020S	1	BMXFCAxx0(*1)	
BMXAMO0410	4	TBE-D5004-MOD-001	4	D6001S, D6020S	1+1(*2)	BMXFCAxx0(*1)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details.

(*2) With I/O card redundancy.

Digital Input

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXDDI1602	16	TBE-D5016-MOD-002	16	D5093S, D6001S, D6031S, D6032S, D6037S	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDI1602	16	TBE-D5016-MOD-002	16	D5093D, D6001D, D6031D, D6032D, D6037D	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDI1602	16	TBE-D5016-MOD-002	16	D6001D, D6031D, D6032D	1+1(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDI3202K	32	TBE-D5016-MOD-004	16	D5093S, D6001S, D6031S, D6032S, D6037S	1/2	BMXFCCxx3(*1)	
BMXDDI3202K	32	TBE-D5016-MOD-004	16	D5093D, D6001D, D6031D, D6032D, D6037D	1	BMXFCCxx3(*1)	
BMXDDI3202K	32	TBE-D5016-MOD-004	16	D6001D, D6031D, D6032D	1/2+1/2 (*3)	BMXFCCxx3(*1)	
BMXDDI6402K	64	TBE-D5016-MOD-004	16	D5093S, D6001S, D6031S, D6032S, D6037S	1/4	BMXFCCxx3(*1)	
BMXDDI6402K	64	TBE-D5016-MOD-004	16	D5093D, D6001D, D6031D, D6032D, D6037D	1/2	BMXFCCxx3(*1)	
BMXDDI6402K	64	TBE-D5016-MOD-004	16	D6001D, D6031D, D6032D	1/4+1/4 (*3)	BMXFCCxx3(*1)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.

(*3) With I/O card redundancy.

Digital Output

I/O Cards	Card Ch.	TB Model	TB Pos.	GMI Modules	Card Qty.	Cable	Notes
BMXDDO1602	16	TBE-D5016-MOD-003	16	D5090S, D5091S, D5094S, D5095S, D5096S, D5096S- 100, D5097S, D5098S, D6001S	1	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDO1602	16	TBE-D5016-MOD-003	16	D5098D, D6001D	2	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDO1602	16	TBE-D5016-MOD-003	16	D5098D	1+1(*3)	TWDFCWxxK(*1) +BMXFTB20x0(*2)	
BMXDDO3202K	32	TBE-D5016-MOD-005	16	D5090S, D5091S, D5094S, D5095S, D5096S, D5096S- 100, D5097S, D5098S, D6001S	1/2	BMXFCCxx3(*1)	
BMXDDO3202K	32	TBE-D5016-MOD-005	16	D5098D, D6001D	1	BMXFCCxx3(*1)	
BMXDDO3202K	32	TBE-D5016-MOD-005	16	D5098D	1/2+1/2 (*3)	BMXFCCxx3(*1)	

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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
BMXDDO6402K	64	TBE-D5016-MOD-005	16	D5090S, D5091S, D5094S, D5095S, D5096S, D5096S-100, D5097S, D5098S, D6001S	1/4	BMXFCCxx3(*1)	
BMXDDO6402K	64	TBE-D5016-MOD-005	16	D5098D, D6001D	1/2	BMXFCCxx3(*1)	
BMXDDO6402K	64	TBE-D5016-MOD-005	16	D5098D	1/4+1/4 (*3)	BMXFCCxx3(*1)	

(*1) "xx" indicates the length, refer to Schneider documentation for more details. (*2) Refer to Schneider documentation for more details on connector type.
(*3) With I/O card redundancy.

