

Bus system MBM

Our MBM system with IP20 protection can be aligned to your requirements. All applications can be realized with help of modular I/O modules.

Mounting

The unit can be DIN-rail mounted.

Plug in connection technology

The connection is via screw or spring clamp plug in terminals, which allows a fast module change. Potential terminals can be snapped on, too. Additional terminal blocks are not necessary.

Diagnostics

The extensive use of LEDs on the module and messages over the field bus to the master helps to diagnose and locate faults.

Protection against over voltage, over load, short-circuit and reverse polarity

High levels of protection are achieved through well designed fusing for the power supply, input and output terminals.

Galvanic separation

All the inputs and outputs are optically isolated from the field bus. The separate connections of bus nodes and I/O sector make it easy to implement emergency OFF circuits.

Labelling

The large exchangeable label strip for the signals and the module can be labelled manually, or with a printer or plotter.

Open bus system

Murrelektronik supports Profibus-DP with the product range MBM.

Module range

The wide range of modules has been designed to cover most industrial applications.

Certification

All units are certified for the respective bus system. The modules also work with modules from other manufactures.

MBM



MBM Bus nodes
Bus nodes Profibus-DP



MBM Expansion modules

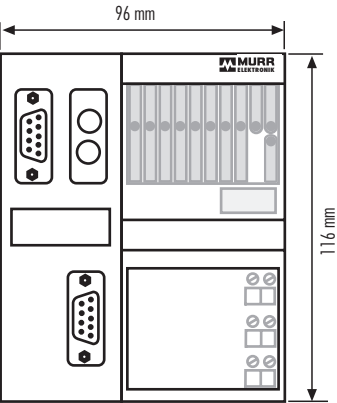
D18
D16
D08/0.5 A
D016/0.5 A
D14 D04/0.5 A
D04R
D08R
AI4
AO4

page 2.3.2

from page 2.3.3

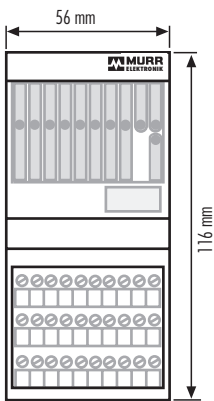
Dimension drawing MBM Bus nodes

(Art.-No. 55016, 55018)

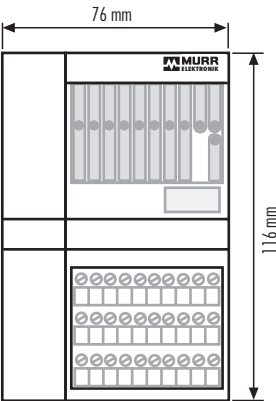


Dimension drawing MBM Expansion modules

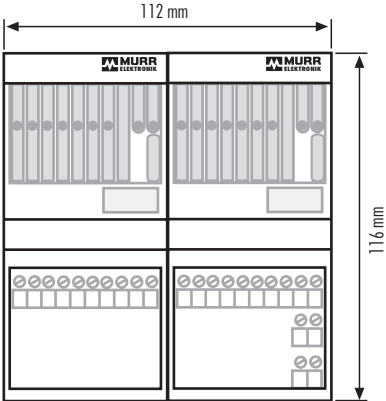
(Art.-No. 55920...926, 55930)



(Art.-No. 55929, 55931, 55891)

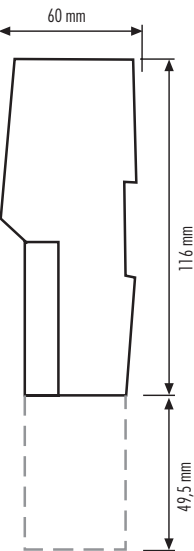


(Art.-No. 55927)



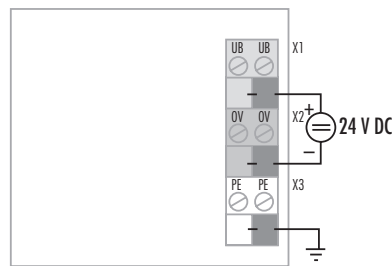
Dimension drawing MBM bus modules, side view

simplified representation
(with potential terminals 3-row)



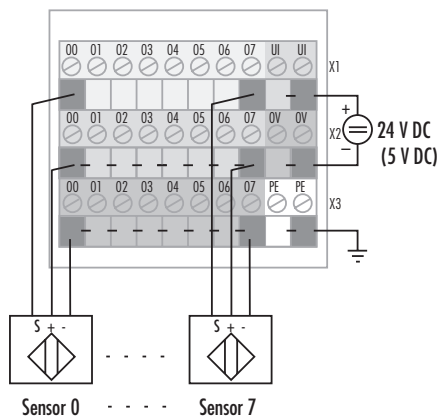
Connection examples for MBM bus nodes Art.-No. 55016 and 55018

Spring clamp terminal block Art.-No. 55950
Screw terminal block Art.-No. 55940

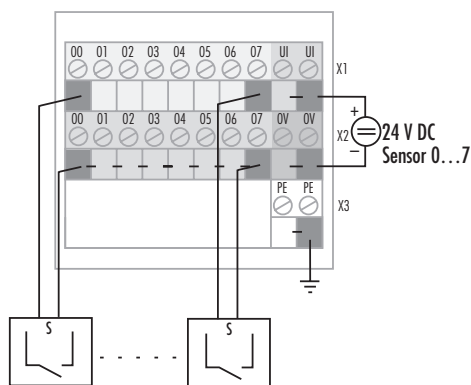


Connection examples for MBM digital 8-way input modules Art.-No. 55920

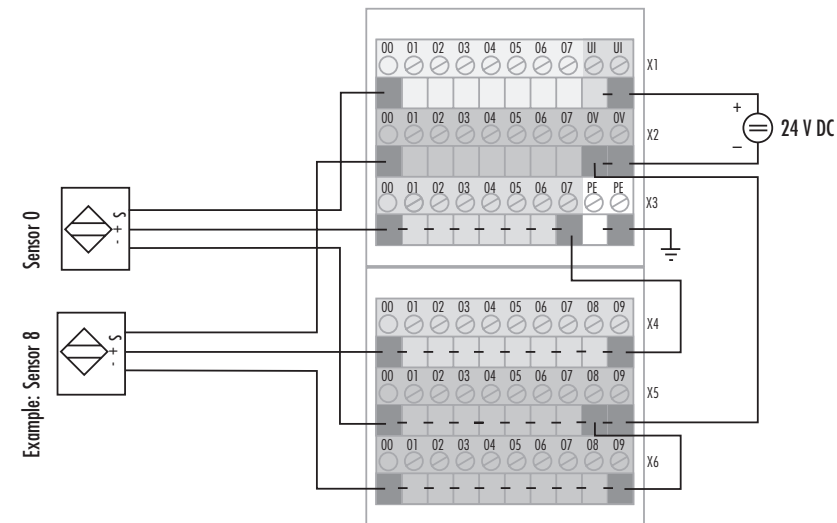
Spring clamp terminal block Art.-No. 55954
Screw terminal block Art.-No. 55944



Spring clamp terminal block Art.-No. 55854
Screw terminal block Art.-No. 55834



Connection example for MBM digital 16-way input module Art.-No. 55921

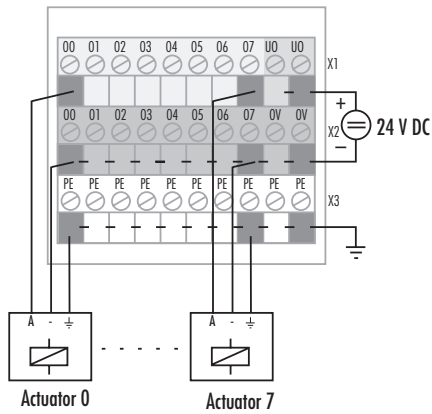


Spring clamp terminal block Art.-No. 55953
Screw terminal block Art.-No. 55943

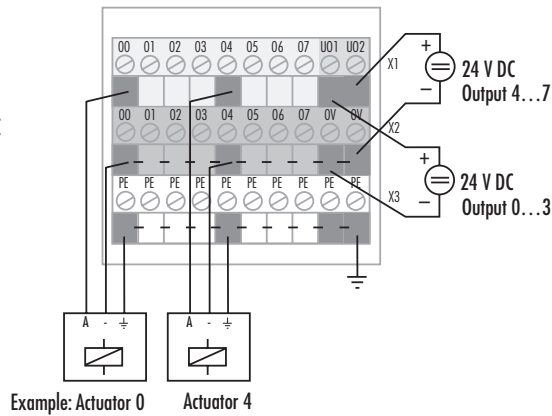
Common spring clamp terminal block Art.-No. 55995
Common screw terminal block Art.-No. 55990

Connection examples for MBM digital 8-way output modules Art.-No. 55922

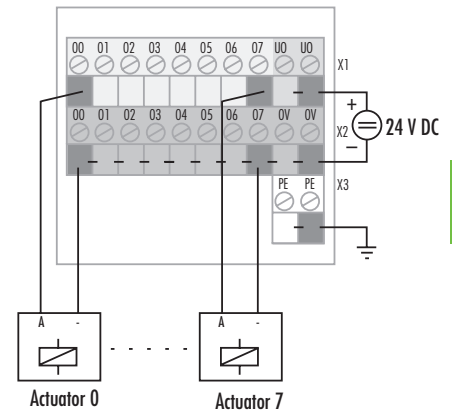
Spring clamp terminal block Art.-No. 55955
Screw terminal block Art.-No. 55945



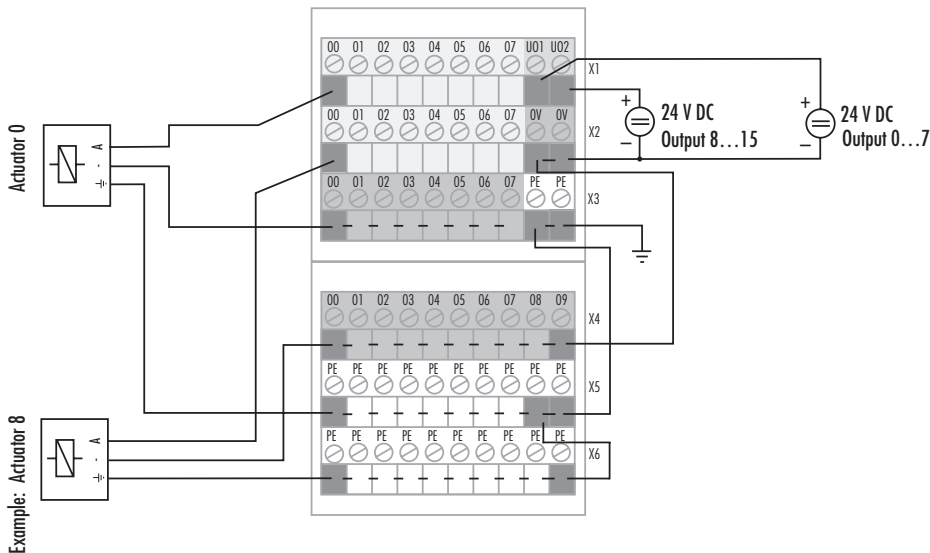
Spring clamp terminal block Art.-No. 55956
Screw terminal block Art.-No. 55946



Spring clamp terminal block Art.-No. 55855
Screw terminal block Art.-No. 55835



Connection example for MBM digital 16-way output module Art.-No. 55923

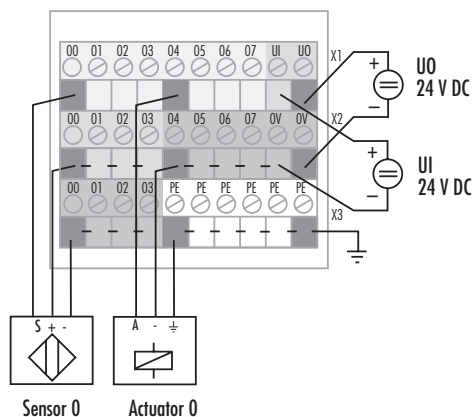


Spring clamp terminal block Art.-No. 55958
Screw terminal block Art.-No. 55948

Common spring clamp terminal block Art.-No. 55996
Common screw terminal block Art.-No. 55991

Connection example for MBM digital input/output module Art.-No. 55882

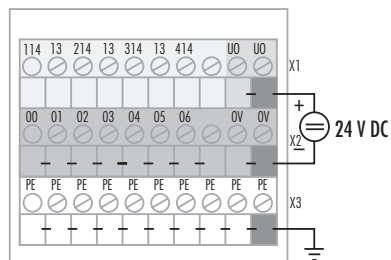
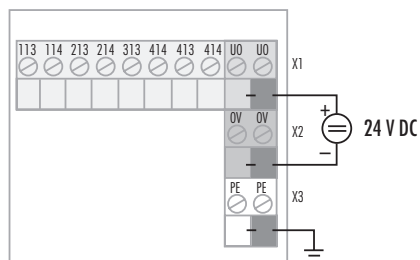
Spring clamp terminal block Art.-No. 55852
Screw terminal block Art.-No. 55832



Connection examples for MBM 4-way relay module Art.-No. 55925

Spring clamp terminal block Art.-No. 55951
Screw terminal block Art.-No. 55941

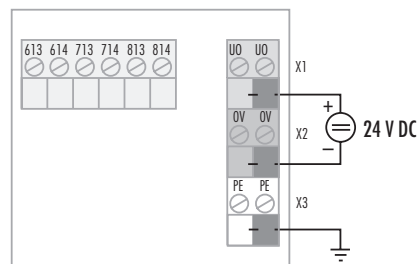
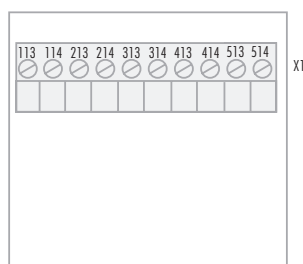
Spring clamp terminal block Art.-No. 55597
Screw terminal block Art.-No. 55592



Connection examples for MBM 8-way relay module Art.-No. 55927

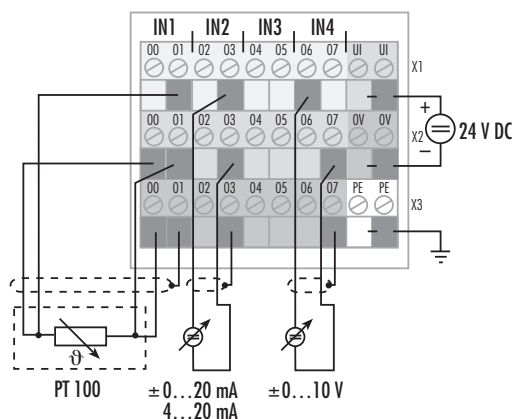
Spring clamp terminal block Art.-No. 55959
Screw terminal block Art.-No. 55949

Spring clamp terminal block Art.-No. 55851
Screw terminal block Art.-No. 55831



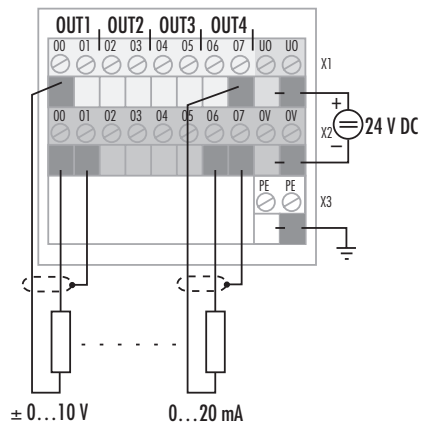
Connection example for MBM analog input module Art.-No. 55891 and 55929

Spring clamp terminal block Art.-No. 55957
Screw terminal block Art.-No. 55947



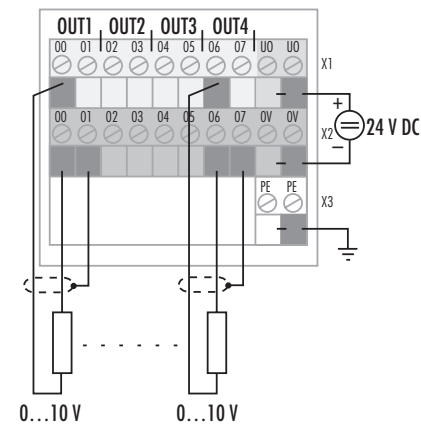
Connection examples for MBM analog output modules Art.-No. 55930

Spring clamp terminal block Art.-No. 55858
Screw terminal block Art.-No. 55838



Connection examples for MBM analog output modules Art.-No. 55931

Spring clamp terminal block Art.-No. 55952
Screw terminal block Art.-No. 55942



Screw terminal block			Art.-No.	
	for MBM-P	3 x 2-pole	Supply voltage	55940
	for MBM DI8	3 x 10-pole	3-wire	55944
	for MBM DI16	3 x 10-pole	1-wire	55943
	for MBM DO8/0.5 A	3 x 10-pole	3-wire	55946
	for MBM DO8/0.5 A	3 x 10-pole	3-wire	55945
	for MBM DO16/0.5 A	3 x 10-pole	1-wire	55948
	for MBM DO4R	1 x 10-pole	1-wire	55941
	for MBM AI4	3 x 10-pole	2-, 3-, 4-wire	55947
	for MBM AO4U; MBM AO4	2 x 10-pole	3-wire	55942
	for MBM-P DI8 (2 x UB)	3 x 10-pole	3-wire	55976
	for MBM DI4 DO4	3 x 10-pole	3-wire	55832
	for MBM DO8/0.5 A	2 x 10-pole	2-wire	55835
	for MBM DO4R	3 x 10-pole	3-wire	55592
	for MBM DO8R (left)	1 x 10-pole	1-wire	55949
	for MBM DO8R (right)	1 x 6-pole	1-wire	55831
Spring clamp terminal block			Art.-No.	
	for MBM-P	3 x 2-pole	Supply voltage	55950
	for MBM DI8	3 x 10-pole	3-wire	55954
	for MBM DI16	3 x 10-pole	1-wire	55953
	for MBM DO8/0.5 A	3 x 10-pole	3-wire	55956
	for MBM DO8/0.5 A	3 x 10-pole	3-wire	55955
	for MBM DO16/0.5 A	3 x 10-pole	1-wire	55958
	for MBM DO4R	1 x 10-pole	1-wire	55951
	for MBM AI4	3 x 10-pole	2-, 3-, 4-wire	55957
	for MBM AO4U; MBM AO4	2 x 10-pole	3-wire	55952
	for MBM-P DI8 (2 x UB)	3 x 10-pole	3-wire	55977
	for MBM DI4 DO4	3 x 10-pole	3-wire	55852
	for MBM DO8/0.5 A	2 x 10-pole	2-wire	55855
	for MBM DO4R	3 x 10-pole	3-wire	55597
	for MBM DO8R (left)	1 x 10-pole	1-wire	55959
	for MBM DO8R (right)	1 x 6-pole	1-wire	55851
Common terminal block			Art.-No.	
Screw terminal block	MBM DI16	3 x 10-pole	3-wire	55990
	MBM DO16/0.5 A	3 x 10-pole	3-wire	55991
Spring clamp terminal block	MBM DI16	3 x 10-pole	3-wire	55995
	MBM DO16/0.5 A	3 x 10-pole	3-wire	55996
System cables			Art.-No.	
	MBM System connection cable 0.5 m to local adapter			55911
Connectors and cables			Art.-No.	
	Profibus connector	without PG-connection		55762
	Profibus connector	with PG-connection		55766
	Profibus data cable	per meter		55770
System components			Art.-No.	
	repeater,			56960
	master, gateways			on request
Others			Art.-No.	
	MBM-TL terminal block			55896