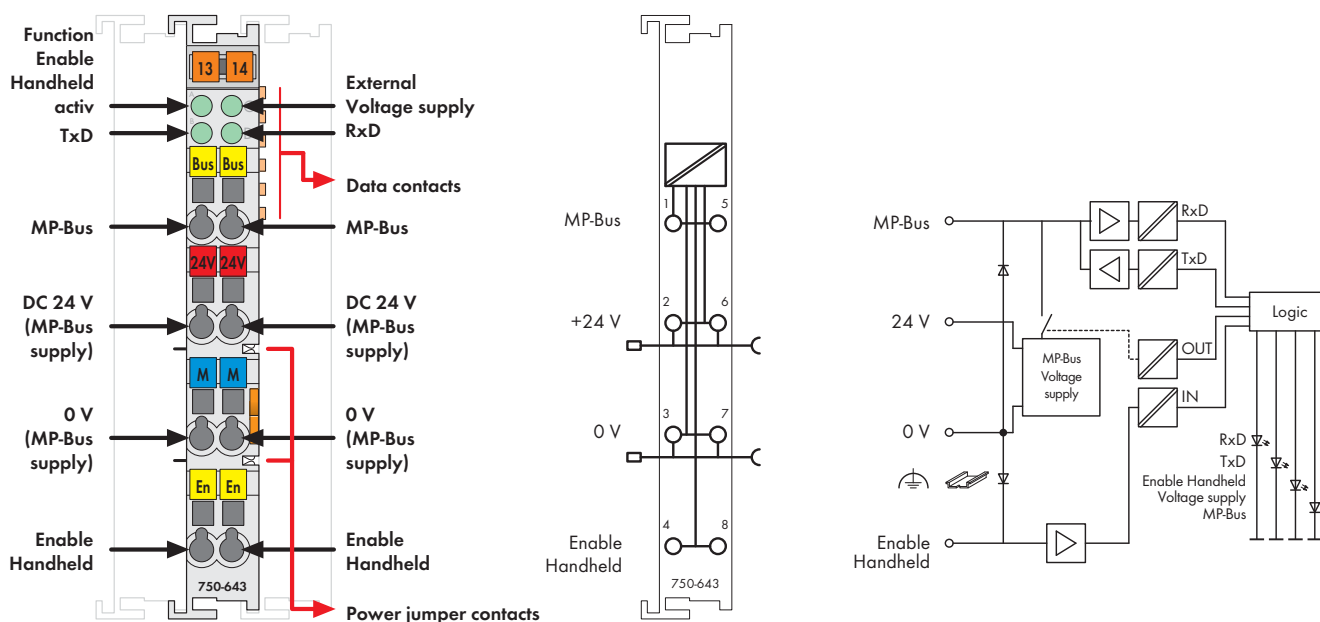




Delivery without Mini WSB marker

The 750-643 I/O Module acts as a master for the MP-Bus (Multi Point Bus of the Swiss company Belimo) and allows the bus to be integrated into a higher level bus network such as ETHERNET or LonWorks. The MP-Bus serves to control HVAC actuators like dampers, regulator valves or VAV air volume control. Another product series with MP-Bus connection is FLS (window ventilation system) from Belimo. Devices that are equipped with an MP-Bus connection, e.g. the Belimo MFT actuator series, can communicate with a higher level control via bus cable.

The actuators have connections for active and passive sensors (temperature, humidity, ON/OFF switch) and hence can also be accessed via MP-Bus. An MP Bus Master, i.e. the WAGO I/O module, can manage up to 8 slaves (actuators) + 8 sensors (1 sensor per slave) via a common bus cable which reduces the wiring of sensors and actuators considerably (cable lengths of MP-Bus cables see Belimo documentation). In order to parameterize the Belimo actuators, the I/O module can be connected to a Belimo parameterization tool (handheld control unit or Belimo PC tool). For this purpose use the "Enable Handheld" contact. If an external parameterization tool (or 24 V) is connected, the module switches off the MP-Bus supply.

Description	Item no.	Pack. unit
MP Bus Master module	750-643	1
Accessories	Item no.	Pack. unit
Miniature WSB quick marking system,		
 plain	248-501	5
with marking	see pages 256 ... 257	
Approvals		
Series 750		
Conformity marking	CE	
UL 508		
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
Marine applications	pending	

Technical Data	
MP Bus specifications	PP/MP specifications V1.21 from Belimo (Valid since 1.10.2002)
No. of slaves	max. 8
Voltage supply (MP-Bus)	DC 24 V
Current consumption (MP-Bus)	25 mA without motor current (for MP-Bus) if the motors are supplied via the MP-Bus module, all motor currents must be added
Current consumption (internal)	15 mA
Voltage supply	via system voltage DC/DC
Isolation	500 V eff MP-bus/system
Internal bit width	1 byte C/S, 7 byte data
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	52.3 g
EMC  Immunity to interference	acc. to EN 61000-6-2 (2002), (EN 50082-2)
EMC  Emission of interference	acc. to EN 61000-6-3 (2004), (EN 50081-1)
EMC marine applications - Immunity to interference	acc. to Germanischer Lloyd (2003) in preparation
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003) in preparation