



## KL6771 | MP-Bus master terminal



The MP-Bus master terminal enables direct connection of MP-Bus slave devices. The MP-Bus was developed by Belimo for connecting valves, throttle valves, air valves and fire dampers for window ventilation systems. Up to sixteen field devices, eight drives and eight sensors can be connected to the KL6771. Process data exchange is fieldbus-independent. The Bus Terminal is configured and commissioned via TwinCAT function blocks. Status LEDs directly indicate the bus status. Several KL6771 terminals can be connected to the same Bus Coupler or Bus Terminal Controller.

Technical data	KL6771   KS6771
Technology	MP-Bus
Number of channels	1
Data transfer standard	MP-Bus
Data transfer channels	1
MP-Bus devices	max. 16 (8 drives/8 sensors)
Data transfer rates	1200 baud
Bus access	polling
Current consumption K-bus	typ. 55 mA
Current consumption power contacts	typ. 10 mA + load
Short-circuit proof	yes
Electrical isolation	500 V (K-bus/MP-Bus)
Bit width in the process image	input/output: 12 bytes
Configuration	TwinCAT (function blocks)
Nominal voltage	24 V DC (-15 %/+20 %)
Input voltage	24 V DC (-15 %/+20 %)
Special features	8 drives/sensors; TwinCAT library: TwinCAT PLC MP-Bus
Weight	approx. 85 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA IIC T4 Gc

Accessories	
<b>TwinCAT PLC MP-Bus</b>	The library is installed free of charge together with TwinCAT from V2.11 Build 2229 (R3 and x64 engineering).

System	
<b>subsystem</b>	For further subsystem products please see the <a href="#">system overview</a> .

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