

Building automation

Application-specific solutions

Weidmüller 



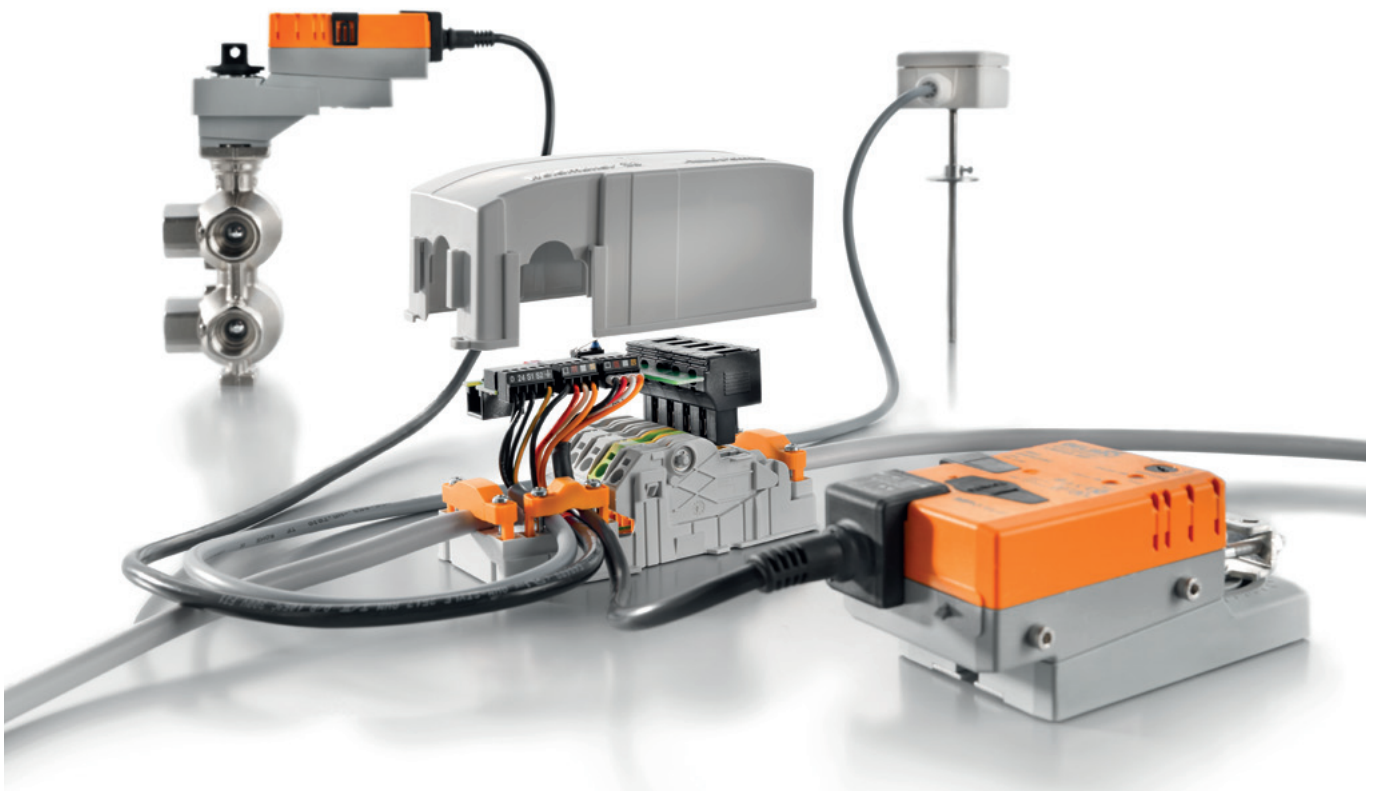
Reference customer **BELIMO** -
Reliable and faultless installation with
FieldPower®

For the control and supply of sensors and actuators via Multi-point bus, BELIMO was convinced by FieldPower® as an installation basis and therefore established it as the standard solution:

- Quick and reliable wire connection due to IDC technology
- Prevention of allocation errors due to the marking of the contact module
- Cost savings due to the use of standard installation cables

„With FieldPower® we finally got the optimal solution at hand. Now we can use standard installation cables and there will be no wiring errors - from the control in the switching cabinet up to the end device.“

(Andreas Wunderlin from BELIMO)



The customer

BELIMO Automation AG is a publicly held technology company with over 1,100 employees worldwide. Since 1975, BELIMO has been designing, manufacturing and selling electrical drives for ventilation flaps and fixtures in heating, ventilation and climate control systems. BELIMO has a comprehensive product line and is the global market leader in this specific market.

BELIMO has chosen the FieldPower® system as the standard solution for the control and supply of sensors and actuators using Multi-point bus distribution.



The specification

The Multi-point bus is a simple actuating and sensing bus. It requires neither a special bus line nor a shielded cable. It can be implemented using the standard TT or NYM installation cables. However, when using conventional wiring methods, it is not possible to carry out the installation in a quick and precise manner. This prevents it from being completely accepted as a system solution. Research shows that more than half of all installation errors occur because of erroneous connections. These occur even when using a clear connection diagram under clean working conditions.



The solution

Now FieldPower® allows them to achieve both goals: No wiring errors all the way from the controller in the electrical cabinet to the end device - using standard installation cable.

The single wires are connected quickly and reliably via patented IDC contacts. Due to the fact that the wires are not cut, it is almost impossible to confuse them. Connection errors, too, can be excluded. The colours of the wires as well as a clear marking can be found in the contact module. Here, as well, allocation errors are nearly impossible. In addition to this, the 5-pole design allows larger cable lengths due to the double ground option.



The customer benefit

BELIMO's Multi-point bus is the standard used in building automation for HVAC applications. FieldPower® as an installation basis with options for different protection classes makes the connection and operation of sensors and actuators cheaper, quicker and safer.

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(Andreas Wunderlin from BELIMO)

