

Wide Range of Drive Solutions with ASi-5 and ASi-3

You want to perfectly integrate frequency inverters, DC and roller drives? And all of this with much less effort and lower costs than is usual with Ethernet-based solutions. For example, in conveyor and sorting systems, shuttle pallet warehouses, picking systems, packaging systems, storage and retrieval machines or in warehouse and material flow technology? Then discover AS-Interface for your drive technology and material handling. Bihl+Wiedemann offers a wide range of solutions for drives from many leading manufacturers – for motorized rollers (Interroll, Itoh Denki, RULMECA), DC motors (ebm-Papst), and frequency inverters (SEW, NORD, Rockwell, Lenze, Bonfiglioli).

How you can benefit from AS-Interface in drive technology



Just one cable for both data and power

In contrast to parallel wiring, no complex cable harnesses are required. This considerably reduces material and assembly costs.



Great freedom in selecting the topology

Each ASi module can be assembled at any point along the ASi profile cable. For example, it is possible to configure star, ring, or linear structures.



Extremely simple installation

ASi modules are simply plugged onto the ASi profile cable using piercing technology and are thereby protected against reverse polarity without the need to cut, strip, and screw the cable.



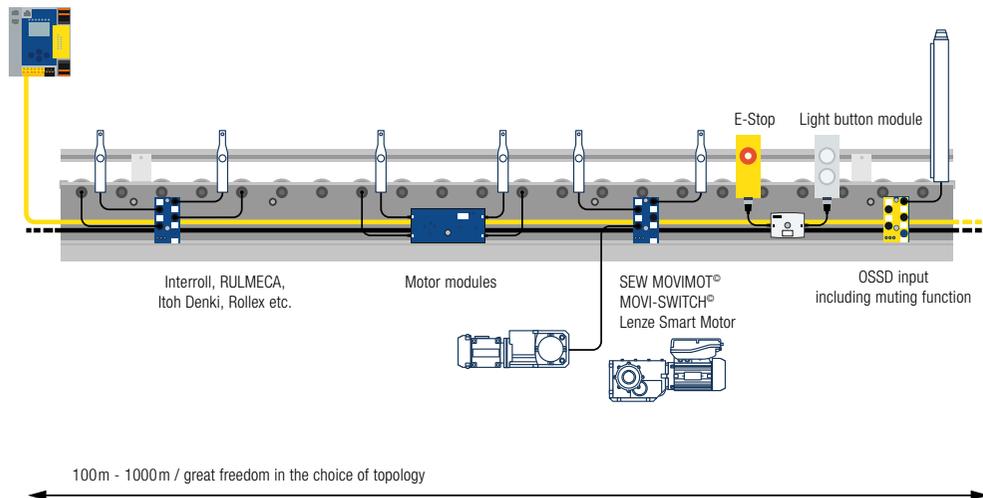
Integrated safety technology

Safe and standard signals can be transmitted on the same cable. As a result, you eliminate the need for the duplicate infrastructure, which was previously necessary.

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Combination of both ASi technologies

Simply combine **ASi-3 and ASi-5** in one application to perfectly solve the respective requirements. For **simple functions**, our ASi-3 modules are ideal. With its high transmission speed and the large data bandwidth, ASi-5 is ideally suited for solving **demanding applications**.



Efficient power distribution for 24 V and 48 V motorized rollers integrated - via the additional AUX line, 20 W, 35 W or up to 50 W per roller are available for this purpose.

ASi Drive Solutions with ASi-3

Particularly cost-efficient: The long-established and proven ASi-3 technology is very economical, especially when it comes to high volumes.

Perfect for simple functions: The easiest and most cost-effective way to implement start/stop, left-right run, or open/close, is with our ASi-3 modules.

Fully compatible with ASi-5: With our ASi-5/ASi-3 Gateways, you can combine ASi-3 and ASi-5 drive solutions in a single application – while simultaneously integrating safety technology and implementing passive safety.

ASi⁵ Drive Solutions with ASi-5

Short cycle times, high data bandwidth: ASi-5 enables cyclic writing of speeds and ramps. As a rule, this cyclic data for several motors can be exchanged in up to 1.27 ms. This allows drives to be controlled just as conveniently as with Ethernet-based solutions

Comprehensive diagnostics: For example, it is easy to detect an output short circuit or an overload of the sensor supply. It also allows the transmission of drive-specific diagnostics, such as readings of the actual motor current and temperature.

Drive-specific advantages: With some drives, you can optionally use the well-known PROFINET data image, for example. Moreover, with ASi-5 modules for frequency inverters and DC motors, it is possible to change motor parameters conveniently.