

MOTORIZED ROLLER I/O

MTA
innovation is our drive

**Compatible with all
common industry
standards**



pepperl+fuchs

MTA Motorized Rollers with **integrated Motor Controllers** offer maximum **compatibility with established industry standards**. This makes system integration very easy.

Integration into the **Pepperl+Fuchs** automation world makes it quick and easy to equip parcel, container and pallet conveyor technology with **MTA Motorized Rollers**.

With the available communication protocols **AS-Interface**, **IO-Link** and as a **module with decentralized ZPA logic** and the option of controlling either **24 VDC or 48 VDC Motorized Rollers**, the G20 series with MTA Motorized Rollers offers maximum flexibility and efficiency in your conveyor technology application!



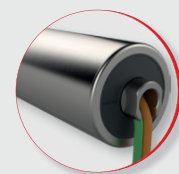
MTA Motorized Roller

Whether **gearless** or **with a gearbox**, this Motorized Roller is **durable, quiet** and completely **maintenance- and wear-free**.

The energy-efficient drive system **reduces emissions, ensures sustainability** and **protects the environment**.

The area of application is the precise transport of parcels, containers and pallets on accumulation lines with a **parcel and container weight of up to 50 kg** and a **pallet weight of up to 1500 kg**.

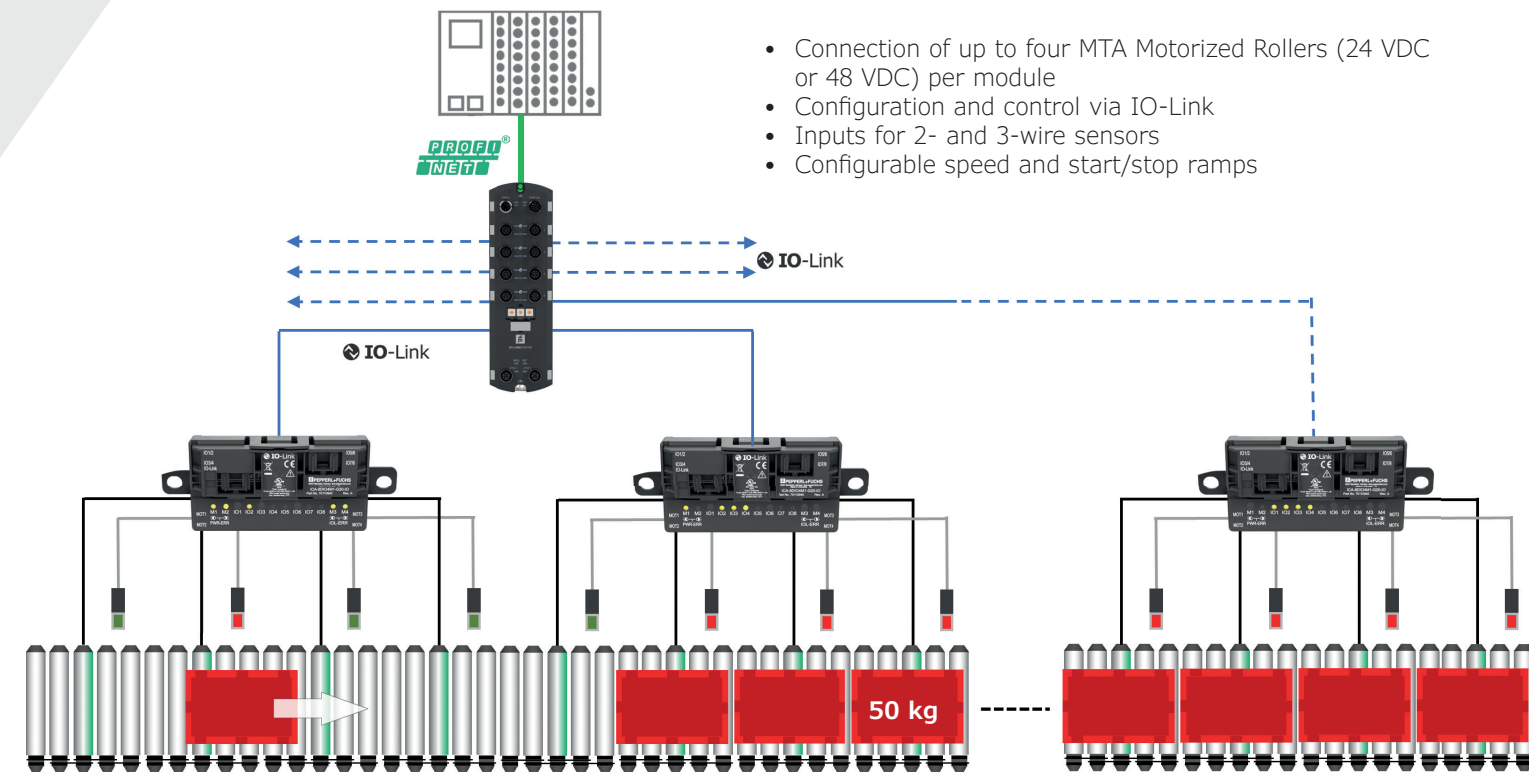
The individual adjustment of mechanical power, installation length, diameter and tube properties allows for almost unlimited applications in the field of stationary conveyor technology.



Power	27 W	40 W	55 W	350 W at S3-50%
Transported goods	Containers, packages			Pallets
Weight	50 kg			1500 kg
Tube diameter	50 mm			80 and 89 mm
Gearbox	without	without	with gearbox	with gearbox
Power supply	24 VDC and 48 VDC			24 VDC and 48 VDC
Speed	0 – 1 m/s (2m/s)			0 – 0,4 m/s
Interface	I/O or Bus (CANopen)			I/O or Bus (CANopen)
Motor Controller	integrated			integrated
Overdrive	Poly V or round belt			Timing belt or chain

IO-Link Motorized Roller module

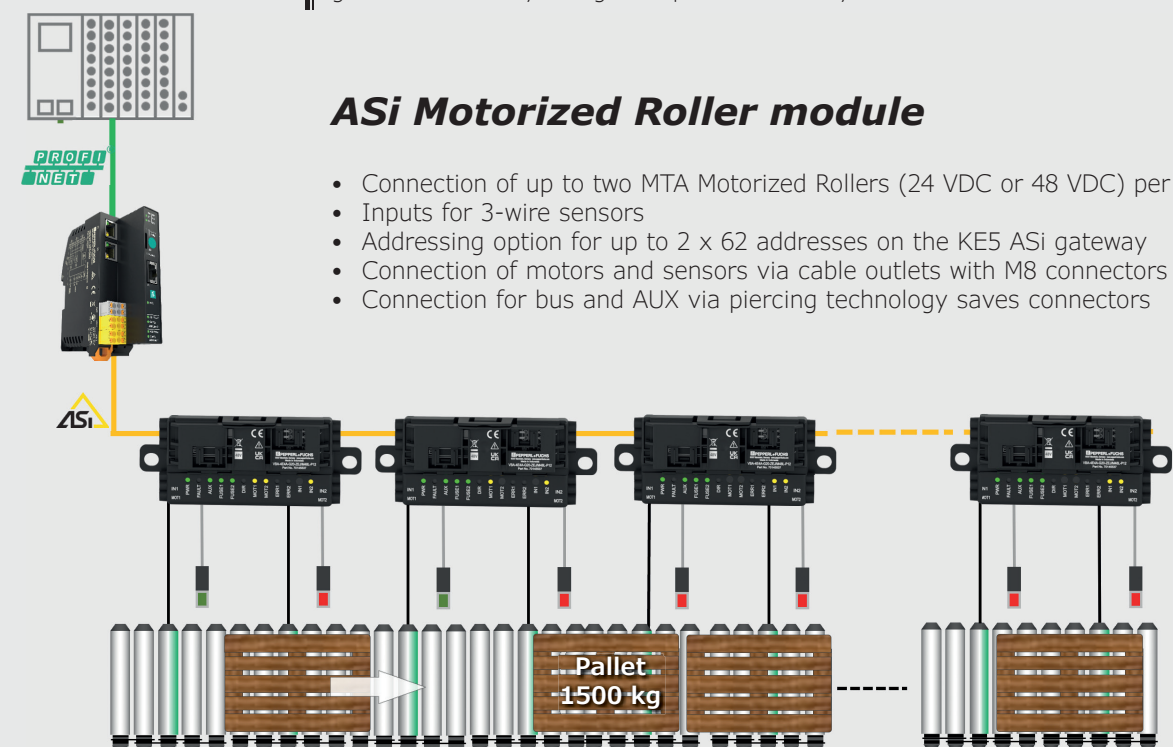
- Connection of up to four MTA Motorized Rollers (24 VDC or 48 VDC) per module
- Configuration and control via IO-Link
- Inputs for 2- and 3-wire sensors
- Configurable speed and start/stop ramps



Standalone module with decentralized ZPA logic available. ZPA ensures fixed distances between the conveyed goods and prevents unwanted collisions between containers. ZPA is also energy-efficient because energy is only consumed when goods are actually being transported in the system.

ASi Motorized Roller module

- Connection of up to two MTA Motorized Rollers (24 VDC or 48 VDC) per module
- Inputs for 3-wire sensors
- Addressing option for up to 2 x 62 addresses on the KE5 ASi gateway
- Connection of motors and sensors via cable outlets with M8 connectors
- Connection for bus and AUX via piercing technology saves connectors



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