

Simply genius –

ECDriveS® drive system
for light load conveyor technology



ECDriveS®

The new drive system for light load conveyor technology

ECDriveS® technically stands for **Electric Commutated Drive System**, a brushless DC gearmotor. However, ECDriveS® also stands for “easy drive” – the simple, efficient and cost-cutting drive solution for roller conveyors from SEW-EURODRIVE.

ECDriveS® is straightforward: plug it in – ready – that’s what “easy drive” means

- DC drives – optimized for the lower power range of roller conveyors in light load conveyor technology
- Simple handling
- High degree of flexibility
- Simple integration and startup
- Impressive endurance and durability in operation



The ECDriveS® drive system is therefore the perfect addition to our broad product portfolio of standard gearmotors, motor starters and decentralized drives for intralogistics in the lower power range.

Overview of ECDriveS®

- Brushless DC gearmotor that is directly integrated into the roller conveyor and is also universally usable
- External commutation electronics with ethernet-based zone controls or binary control. Ethernet controls feature integrated conveyor logistics that can provide both conveying with zero pressure and decentralized solutions for a wide range of other conveying tasks
- 250% overload capacity at 40 W S1 power rating
- Optimized gear unit construction for a long service life, even at high capacity utilization
- Precise positioning of the material to be conveyed thanks to integrated encoder

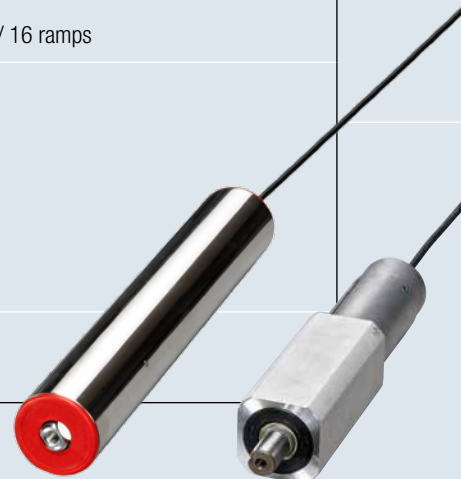
Technical data

Gearmotor

	Driven roller, ECR-type ECDriveS®	Gearmotor, ECG-type ECDriveS®
Gear unit ratios i	11	9
Max. velocity	0.04 – 5 m/s	8.5 – 645 rpm
Max. starting torque Nm	21	32
Nominal current A	2.5	
Maximum current A	8	
Degree of protection	IP54 (IP66 optional)	
Temperature range	-10 – 40 °C (-30 °C optional)	

Electronics

	Direct fieldbus control, ECC-DFC-type ECDriveS®	Direct binary control, ECC-DBC-type ECDriveS®
Nominal voltage V	24	
Communication	Ethernet protocols: PROFINET, EtherNet/IP™, Modbus/TCP, EtherCAT®	3 DI + error output
Configuration	ECDriveS® PC-Tool ECShell	DIP switch 32 speeds / 16 ramps
Functions	<ul style="list-style-type: none"> – Precise ramps – Positioning – ZPA, FlexZone, merger, tracking – Torque-on-demand – Automatic configuration – Automatic sensor recognition – Diagnostics 	
Degree of protection	IP54	IP20



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