

## 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

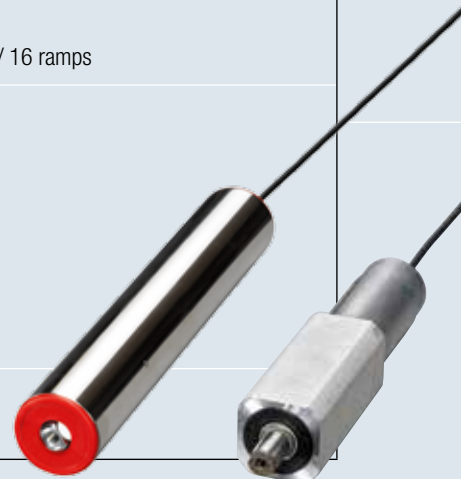
## Technical data

### Gearmotor

	Driven roller, ECR-type ECDriveS®	Gearmotor, ECG-type ECDriveS®
Number of gear unit ratios i	11	9
Max. velocity	0.04 – 5 m/s	8.5 – 645 rpm
Max. acceleration torque Nm	9.6	14.3
Max. brakeaway 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"> <li>– Precise ramps</li> <li>– Positioning</li> <li>– Zero pressure accumulation (ZPA), FlexZone, merger, tracking</li> <li>– Torque-on-demand</li> <li>– Automatic configuration</li> <li>– Automatic sensor recognition</li> <li>– Diagnostics</li> </ul>	
Degree of protection	IP54	IP20



## SEW-EURODRIVE is right there for you:

### Argentina

Tel. +54 3327 4572-84  
Fax +54 3327 4572-21  
sewar@sew-eurodrive.com.ar

### Australia

Tel. +61 3 9933-1000  
Fax +61 3 9933-1003  
enquires@sew-eurodrive.com.au

### Austria

Tel. +43 1 617 55 00-0  
Fax +43 1 617 55 00-30  
sew@sew-eurodrive.at

### Belarus

Tel. +375 17 298 47 56  
Fax +375 17 298 47 54  
sales@sew.by

### Belgium

Tel. +32 16 386-311  
Fax +32 16 386-336  
info@sew-eurodrive.be

### Brazil

Tel. +55 19 3835-8000  
sew@sew.com.br

### Cameroon

Tel. +237 233 39 02 10  
Fax +237 233 39 02 10  
sew@sew-eurodrive.cm

### Canada

Tel. +1 905 791-1553  
Fax +1 905 791-2999  
marketing@sew-eurodrive.ca

### Chile

Tel. +56 2 2757 7000  
Fax +56 2 2757 7001  
ventas@sew-eurodrive.cl

### China

Tel. +86 22 25322612  
Fax +86 22 25323273  
info@sew-eurodrive.cn

### Colombia

Tel. +57 1 54750-50  
Fax +57 1 54750-44  
sew@sew-eurodrive.com.co

### Czech Republic

Tel. +420 255 709 601  
Fax +420 235 350 613  
sew@sew-eurodrive.cz

### Denmark

Tel. +45 43 95 8500  
Fax +45 43 95 8509  
sew@sew-eurodrive.dk

### Finland

Tel. +358 201 589-300  
Fax +358 3 780-6211  
sew@sew.fi

### France

Tel. +33 3 88 73 67 00  
Fax +33 3 88 73 66 00  
sew@usocome.com

### Ghana

Tel. +233 303 963 772  
info@sew-eurodrive.com.gh

### Great Britain

Tel. +44 1924 893-855  
Fax +44 1924 893-702  
info@sew-eurodrive.co.uk

### Hungary

Tel. +36 1 437 06-58  
Fax +36 1 437 06-50  
office@sew-eurodrive.hu

### India

Tel. +91 265 3045200  
Fax +91 265 3045300  
marketing@seweurodriveindia.com

### Italy

Tel. +39 02 96 9801  
Fax +39 02 96 980 999  
sewit@sew-eurodrive.it

### Ivory Coast

Tel. +225 21 21 81 05  
Fax +225 21 25 30 47  
info@sew-eurodrive.ci

### Japan

Tel. +81 538 373811  
Fax +81 538 373814  
sewjapan@sew-eurodrive.co.jp

### Kazakhstan

Tel. +7 727 350 5156  
Fax +7 727 350 5156  
sew@sew-eurodrive.kz

### Kenya

Tel. +254 791 398840  
info@sew.co.ke

### Malaysia

Tel. +60 7 3549409  
Fax +60 7 3541404  
sales@sew-eurodrive.com.my

### Mexico

Tel. +52 442 1030-300  
Fax +52 442 1030-301  
scmexico@seweurodrive.com.mx

### Morocco

Tel. +212 522 88 85 00  
Fax +212 522 88 84 50  
sew@sew-eurodrive.ma

### Netherlands

Tel. +31 10 4463-700  
Fax +31 10 4155-552  
info@sew-eurodrive.nl

### New Zealand

Tel. +64 9 2745627  
Fax +64 9 2740165  
sales@sew-eurodrive.co.nz

### Norway

Tel. +47 69 24 10 20  
Fax +47 69 24 10 40  
sew@sew-eurodrive.no

### Paraguay

Tel. +595 991 519695  
Fax +595 21 3285539  
sewppy@sew-eurodrive.com.py

### Peru

Tel. +51 1 3495280  
Fax +51 1 3493002  
sewperu@sew-eurodrive.com.pe

### Poland

Tel. +48 42 293 00 00  
Fax +48 42 293 00 49  
sew@sew-eurodrive.pl

### Portugal

Tel. +351 231 20 9670  
Fax +351 231 20 3685  
infosew@sew-eurodrive.pt

### Russia

Tel. +7 812 3332522  
Fax +7 812 3332523  
sew@sew-eurodrive.ru

### Singapore

Tel. +65 68621701  
Fax +65 68612827  
sewsingapore@sew-eurodrive.com

### Slovakia

Tel. +421 2 33595 202  
Fax +421 2 33595 200  
sew@sew-eurodrive.sk

### South Africa

Tel. +27 11 248 7000  
Fax +27 11 248 7289  
info@sew.co.za

### South Korea

Tel. +82 31 492-8051  
Fax +82 31 492-8056  
master.korea@sew-eurodrive.com

### Spain

Tel. +34 94 4318470  
Fax +34 94 4318471  
sew.spain@sew-eurodrive.es

### Sweden

Tel. +46 36 34 42 00  
Fax +46 36 34 42 80  
jonkoping@sew.se

### Switzerland

Tel. +41 61 41717-17  
Fax +41 61 41717-00  
info@imhof-sew.ch

### Tanzania

Tel. +255 22 277 5780  
Fax +255 22 277 5788  
info@sew.co.tz

### Thailand

Tel. +66 38 454281  
Fax +66 38 454288  
sewthailand@sew-eurodrive.com

### Turkey

Tel. +90 262 999 1000-04  
Fax +90 262 999 1009  
sew@sew-eurodrive.com.tr

### Ukraine

Tel. +380 56 370 3211  
Fax +380 56 372 2078  
sew@sew-eurodrive.ua

### United Arab Emirates

Tel. +971 4 8806461  
Fax +971 4 8806464  
info@sew-eurodrive.ae

### Uruguay

Tel. +598 2 2118189  
Fax +598 2 2118190  
sewuy@sew-eurodrive.com.uy

### USA

Tel. +1 864 439-7537  
Fax +1 864 439-7830  
cslyman@seweurodrive.com

### Uzbekistan

Tel. +998 71 2359411  
Fax +998 71 2359412  
sew@sew-eurodrive.uz

### Venezuela

Tel. +58 241 832-9804  
Fax +58 241 838-6275  
ventas@sew-eurodrive.com.ve

## How we're driving the world



**SEW-EURODRIVE**  
Driving the world

**SEW**  
**EURODRIVE**

SEW-EURODRIVE GmbH & Co KG  
P.O.Box 30 23  
76642 Bruchsal/Germany  
Tel. +49 7251 75-0  
Fax +49 7251 75-1970  
sew@sew-eurodrive.com

→ [www.sew-eurodrive.com](http://www.sew-eurodrive.com)