




Mass Transit/ Motive



Efficiency
better than
specified for motors
of Energy Class
IE5
Super Premium

With our smart motors, integrating different interfaces and controllers, you realize smart applications of tomorrow.

Our Value Proposition for You:

- » High service life and cycle numbers
- » Protection classes up to IP69K
- » Versions for extreme temperature ranges
- » Vibration and shock proof according to railway standard EN 61373
- » EMC and ESD solutions fitting customer needs
- » Innovative, energy-efficient DC-concepts (IE 5)

Our Highlights for Mass Transit/ Motive:

Brushed DC (GR)



Brushless DC (BG)



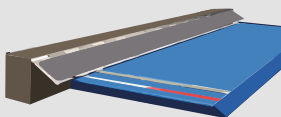
CANopen

Planetary Gearboxes (PLG)




Application Examples:

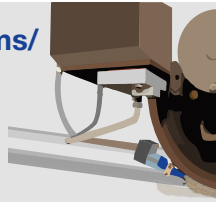
Ramps and Footsteps



Doors (Interior/ Exterior)



Sanding Systems/ Hydraulic Unit



Municipal Vehicles/ Automotive Industry



Smart, Connected and Efficient Drive Technology




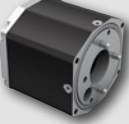


Dunkermotoren - Your Manufacturer for Smart, Connected and Efficient Drive Technology

» **Headquarter:**
Bonndorf in the Black Forest, four locations worldwide

» **Employees:**

1300 employees worldwide
Drive solutions up to 3900 W peak output power
One-Stop-Shop - everything from one source

Modular System

ENCODERS	BRAKES	CONTROLLERS	MOTORS	GEARBOXES
<p><i>Incremental Encoder</i> up to 4096 ppr</p> 	<p><i>Power-off Brakes</i> 0.2 - 7 Nm</p> 	<p><i>Integrated Controller</i></p> 	<p><i>Brushless DC-Servomotors</i> 6 - 3900 Watt</p> 	<p><i>Planetary Gearboxes</i> 0.3 - 160 Nm</p> 
<p><i>Magnetic Pulse Generators</i> 4 ppr</p> 	<p><i>Power-on Brakes</i> 0.2 - 3 Nm</p> 	<p><i>External Controller</i></p> 	<p><i>Permanent Magnet DC-Motors</i> 3 - 370 Watt</p> 	<p><i>Worm Gearboxes</i> 0.75 - 30 Nm</p> 
<p><i>Absolute Encoder</i> Up to 4096 ppr</p> 		<p><i>dGo/ dMove/ dPro</i></p>  <p>PROFI NET EtherCAT</p> <p>CANopen</p>	<p><i>Stepper Motors</i> 8 - 14 Nm</p> 	<p><i>Spirotec Gearboxes</i> 9 - 18 Nm</p> 
			<p><i>AC-Motors</i> 5 - 100 Watt</p> 	<p><i>Bevel Gearboxes</i> 1.6 - 120 Nm</p> 
			<p><i>Universal Motors</i> 150 - 1200 Watt</p> 	<p><i>Spindels and Cylinders</i> 450 - 2500 N</p> 
			<p><i>AC/DC Blowers</i> Thru-Flow, Bypass</p> 	
			<p><i>Linear Motors</i> 19 - 3690 N</p> 	



Dunkermotoren GmbH | Allmendstr. 11 | D-79848 Bonndorf/ Schwarzwald
Phone +49 (0) 7703 930-0 | Fax +49 (0) 7703 930-210/ 212 | info@dunkermotoren.de