WDG110E

Maximum freedom in vehicle design thanks to slim drive architecture.

Applications

WDG110E was developed for applications where it is not the shortness but the installation direction that is crucial.

Thanks to the elongated motor design, this system opens up completely new possibilities in vehicle integration - especially where installation space is limited in width or in the radial area.



Features & Benefits

- **Optimal solution for limited lateral installation space** in vehicle design
- **Flexible integration** in linear or longitudinally oriented constructions
- **High performance** despite the slim design
- **Reduced design restrictions** with complex vehicle geometries

Technical data

		WDG110E
Rated voltage	VDC	48
Rated power	W	378
Speed	m/s	0 - 1.92
Rated torque	Nm	11.48
Maximum torque	Nm	33.9 - 52.0
Rated current	Arms	11.5
Maximum current	Arms	50.7

		WDG110E
Max. wheel load*	kg	200
Wheel diameter	mm	110
Ambient temperature	°C	0 ... 40
Relative humidity		< 80%, non-condensing
Temperature sensor		PTC
Feedback		magn. Encoder
Supply voltage	VDC	5
Motor commutation signals		ABI, PWM
Resolution	Bit	12
brake		Spring-applied brake
Braking torque	Nm	18
Voltage	VDC	24

* Base 20,000 h, duty cycle = 60%, with combined radial and axial force.

Motor cable connections

Description	Presentation
U	open ends, Connections with plug connectors possible on request
V	
W	
PE	
TH1	
TH2	

Sensor cable connections

Description	Presentation
BR+	open ends, Connections with plug connectors possible on request
BR GND	
GND	
5V	
I-	
I+	
B-	
B+	
A-	
A+	
PWM-	
PWM+	
shield	

Dimensions

L
175

