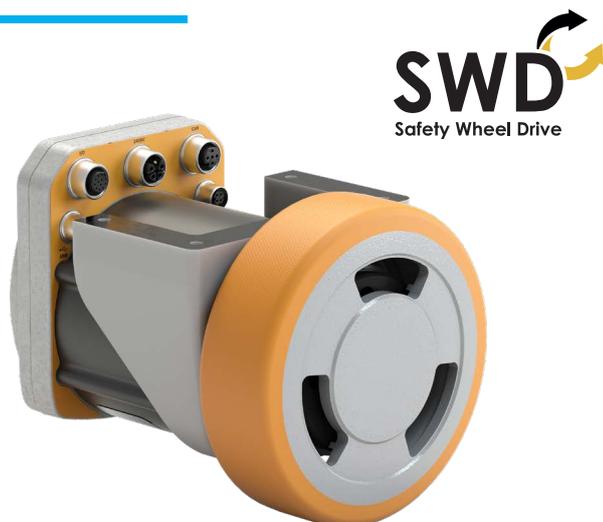


ezSWD125IM.14x/C



SWD
Safety Wheel Drive



Technical characteristics

Diameter	125 mm
Type of tyre	PU 80 sh.A - Flat profile
Speed range (traction)	0 to 3.2 km/h
Peak pushing effort	60 daN Moves 1 500 kg
Nominal performance	27 daN at 2.4 km/h
Maximum vertical load	250 kg
Option(s)	Parking brake /B

- ✓ ez-Wheel® ezSWD125IM.14x/C - SWD® 125
- ✓ safety wheel drive with industrial rubber, medium duty
- ✓ suitable for:
 - mobile platforms
 - industrial robots
 - AGVs and AMRs

Component specifications

Motor



Technology	BLDC PM
Gearbox	2-stages planetary ratio 14:1
Indicative lifespan*	5 000 h 1 500 000 starts/stops
Nominal speed	100 rpm
Nominal power	185 W (S1)
Peak torque	37 Nm

Safety features

CANopen
safety

Motor disconnection	STO SIL3/PLe
Motion control	SLS, SDI, SMS, SIL2/PLd
Braking	SBC SIL2/PLd
Encoder	406 ppr SIL2/PLd
Interface	CANopen Safety®

Conditions of use



Temperatures	0 to +40 °C
IP index	IP66 (electronic housing)
Maintenance period*	5 years

The wheel can be used inside or outside, over a wide range of temperatures. The components do not need any inspection or maintenance over the product's whole lifespan.

Weight



Wheel weight	6.5 kg 7.3 kg with brake
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Thanks to the reinforced cast iron housing and wheel hub, the wheel can withstand knocks and severe vibration and enables the wheel to carry some load.

All values are subject to changes without prior notice.

*: Values for reference, based on standard condition testing, may vary with different application cases.

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