



SWD[®] FULL RANGE

Drives & Wheel Drives with
integrated safety



SWD
Safety Wheel Drive

Drives and Wheel Drives with integrated safety



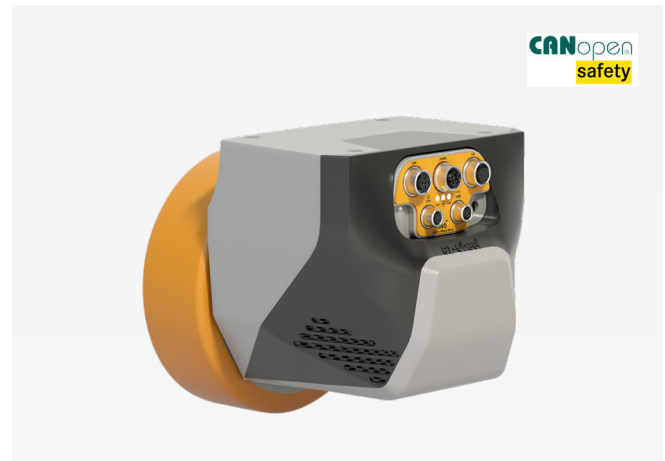
SWD® Core

Motor disconnection	STO SIL3/PLe
Motion control	SLS, SDI SIL2/PLd
Braking	SBC SIL2/PLd
Encoder	30 ppr SIL2/PLd
Interface	CANopen Safety®
Speed range (traction)	0 to 130 rpm
Nominal performance	20 Nm at 100 rpm
Maximum rolling speed	130 rpm
Option(s)	Parking brake /B



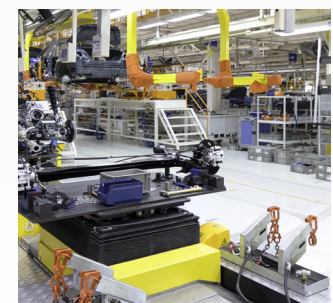
Applications

Robots
Pallet shuttles
Lifts
Conveyors



SWD® 150

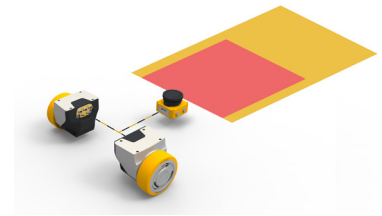
Motor disconnection	STO SIL3/PLe
Motion control	SLS, SDI SIL2/PLd
Braking	SBC SIL2/PLd
Encoder	420 ppr SIL2/PLd
Interface	CANopen Safety®
Diameter	150 mm
Type of Tyre	PU 92 sh.A - Flat profile
Speed range (traction)	0 to 3 km/h
Peak pushing effort	60 daN Moves 1 500 kg
Nominal performance	22 daN at 3 km/h
Maximum rolling speed	4 km/h
Maximum vertical load	700 kg up to 3 km/h
Battery capacity	100 Wh
Option(s)	Parking brake /B



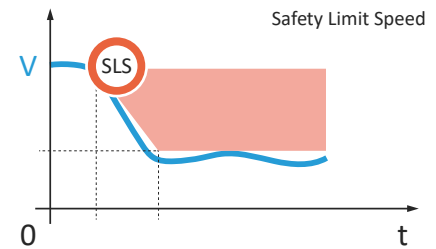
Applications

Mobile robotics
AGVs
AMRs

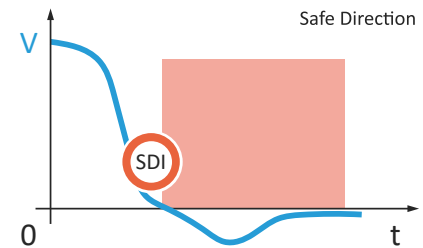
SWD® Safety modes



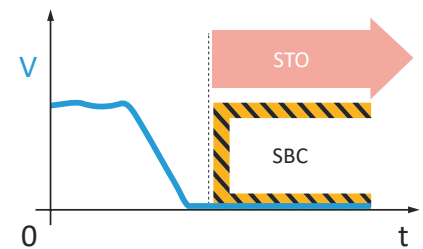
Warning zone
→ **SLS mode**
up to SIL2/PLd



Collision risk
→ **SDI mode**
up to SIL2/PLd

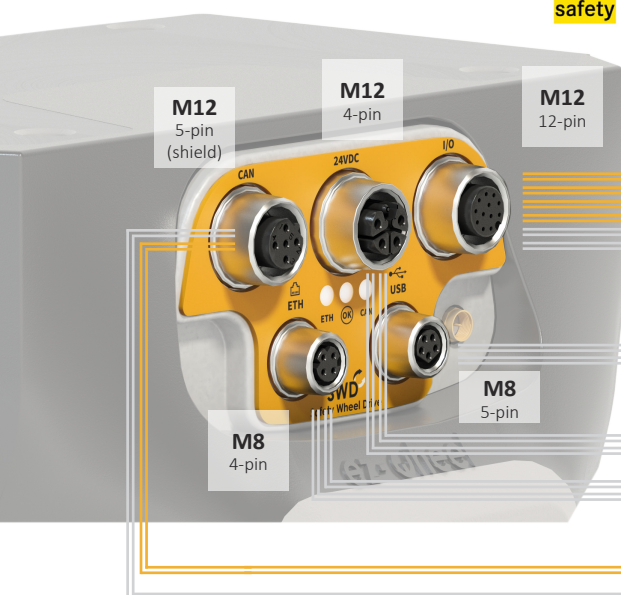


Stop required
→ **STO/SBC**
up to SIL3/PLe



SWD® Interfaces

CANopen
safety



1x dual Safe input – STO/SBC | up to SIL3/PLe

1x dual Safe input – Conf.
1x dual Safe in/out – Conf.
1x CANopen Safety

| up to SIL2/PLd

1x GND-24VDC power supply – 2A
1x GND-ON – Wake up signal

1x USB (Device)

2x GND-24VDC power supply – 16A

1x Ethernet (10/100) | future evolution to **Safe Ethernet**

1x CANopen Safety | up to SIL2/PLd
1x GND-24VDC power supply – 4A

Consult case studies, media,
datacenter and our latest news at:

www.ez-wheel.com



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INDUSTRY



AUTOMOTIVE



LOGISTICS / RETAIL



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