

## BL90 drive for robotic joint

### Key benefits

- Integrated strainwave gearbox and brake
- Integrated motor control unit (CAN Open or Ethercat)
- Scalable power up to 1,5kW



Nominal power supply voltage (V)	48
Nominal supply current at 25°C (A)	14
Maximum supply current (short-time) (A)	42
Nominal speed (rpm)	35
Nominal torque at 25 °C (Nm)	136
Maximum speed at nominal voltage (rpm)	66
Maximum permissible drive speed (rpm)	80
Maximum torque (short-time) (Nm)	208
Gearbox Ratio	1:100 (also available in ration 1:50 and 1:160)
Hollow shaft diameter (mm)	25
Communication	CAN Open / EtherCAT
Functional Safety	PLe Cat3 (acc. to EN 13849-1) or SIL3 (acc. to EN 61508) STO, SBC  only with EtherCAT: STO, SBC, SS1, SS2, SOS, SLS, FS0E

