

OPTION



SOFTWARE



TECHNICAL DATA

| | |
|----------------------------|---|
| Operating voltage | 12 to 48 V DC |
| Max. phase current | Adjustable via software up to 2.7 A (1% increments), 100% = 1.8 A |
| Interface | RS485 or CANopen |
| Operating type | RS485 interface: position, speed, reference run, flag position, clock-direction, analog and joystick, analog position, torque CANopen interface: profile position, speed, reference run, interpolated position, torque |
| Operating mode | 1/1, 1/2, 1/4, 1/5, 1/8, 1/10, 1/16, 1/32, 1/64, adaptive microstep, feed constant |
| Step angle | 1.8 ° |
| Step frequency | 0 to 50 kHz in clock-direction mode, 0 to 25 kHz in all other modes |
| Encoder | Integrated magnetic encoder, 1024 pulses/rev. |
| Inputs | 6 digital inputs (5–24 V), 1 analog input (+10 V) |
| Outputs | 3 outputs in open drain circuit (0 switching, max. 24 V/0.5 A) |
| Position monitoring | Automatic error correction up to 0.9 ° |
| Current reduction | Adjustable in 1% increments |
| Protective circuit | Overvoltage and heat sink temperature >80 °C |
| Temperature range | -10 to +40 °C |
| Connection type | Plug connection with JST connectors |
| New functions | Closed loop/sinusoidal commutation/dspDrive/programmable as sequential controller using NanoJ easy (RS485) |

ORDER IDENTIFIER

YL-D2-N4218L1804-
2 = RS485 Interface
3 = CANopen Interface



ACCESSORIES

ZK-PD2N Connection cable
ZK-PD2N-3 Connection cable
ZK-RS485-USB Converters
Z-K4700/50 Charging Capacitor



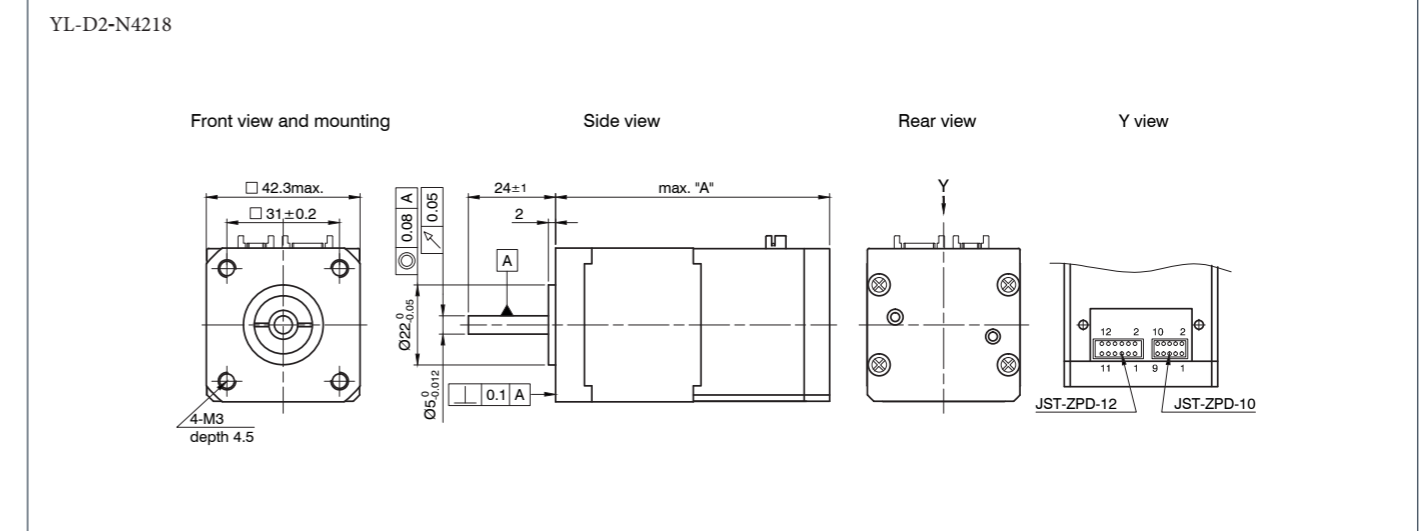
CAUTION

For stabilizing the operating voltage, we recommend using a sufficiently dimensioned decoupling capacitor.

VERSIONS

| Type | Holding Torque Ncm | Weight kg | Length „A“ mm |
|------------------|--------------------|-----------|---------------|
| YL-D2-N4218L1804 | 50 | 0,42 | 76,5 |

DIMENSIONS (IN MM)



TORQUE CURVES

