PD2-N41
Plug & Drive High-Pole DC Servo Motor - NEMA 17

OPTIONS

Gear

SOFTWARE

NanoPro   NanoCAN   NanoJ

TECHNICAL DATA

Operating voltage	12-48 VDC
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, undervoltage and temperature >80°C, integrated ballast switching
Temperature range	-10 to +40°C
Connection type	Plug connection with JST connectors
New functions	Closed loop/sinusoidal commutation/dspDrive/programmable as a sequential controller using NanoJ Easy (RS485)

ORDER IDENTIFIER

PD2-N4118L1804-
2 = RS485 Interface
3 = CANopen Interface

ACCESSORIES

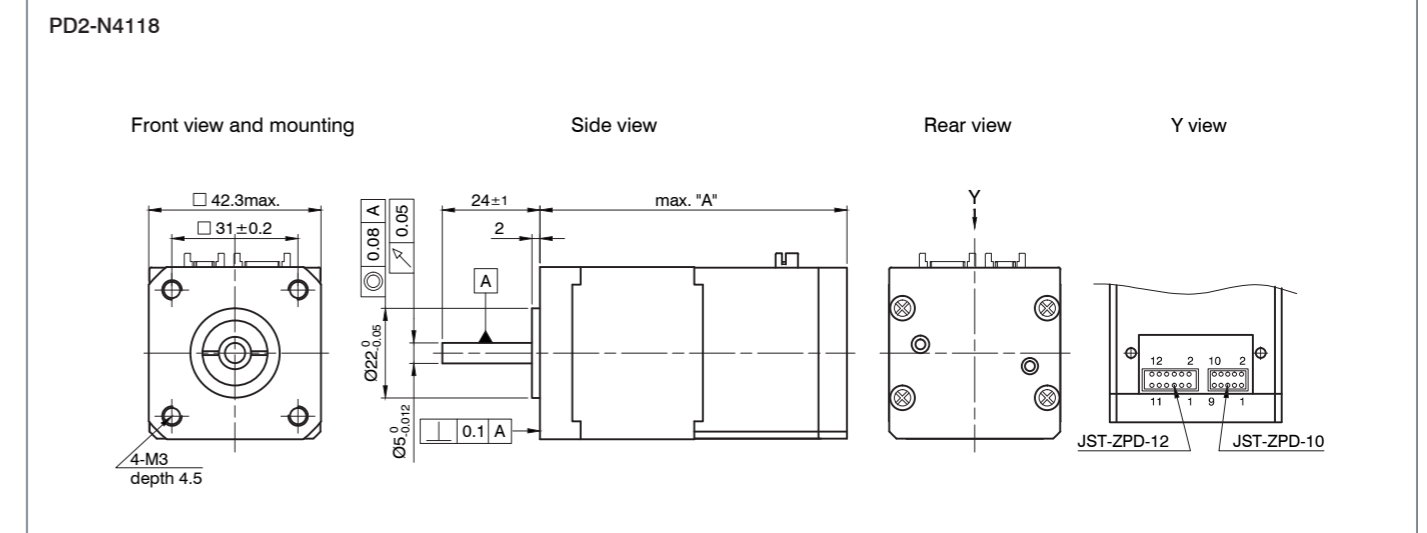|	
ZK-PD2N	Connection cable RS485
ZK-PD2N-3	Connection cable CANopen
ZK-RS485-USB	Converter
Z-K4700/50	Charging Capacitor

CAUTION

We recommend using a back-up capacitor of sufficient size to stabilize the operating voltage.

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VERSIONS

Type	Holding Torque Ncm	Weight kg	Length „A" mm
PD2-N4118L1804	50	0,42	74.5

DIMENSIONS (IN MM)

PD2-N4118

Front view and mounting   Side view   Rear view   Y view

TORQUE CURVES

PD2-N4118L1804