

86SERVO T600



▶ 60.0 N-m stall torque

▶ MAX Speed 110 RPM

▶ Integrated torque sensor

▶ Resolution : 22 bits PPR

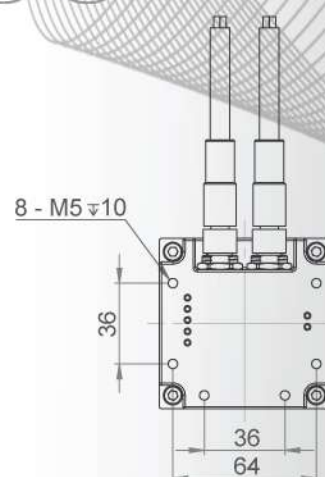
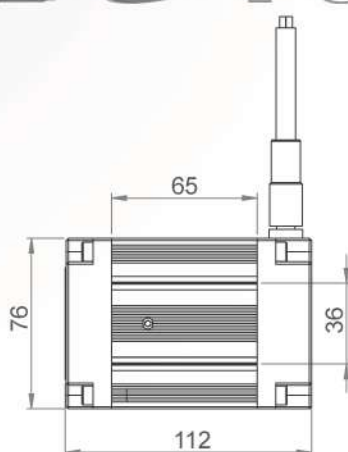
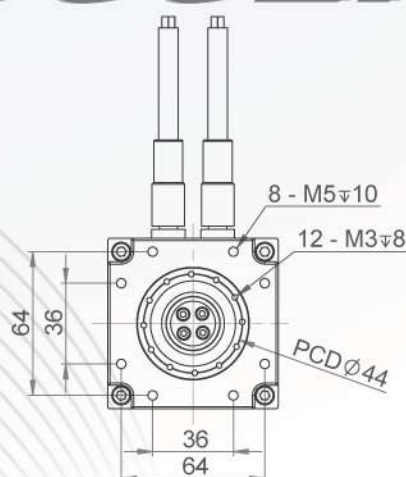
▶ EtherCAT CiA 402

▶ Dual Port RS485 Modbus

▶ Waterproof IP68

▶ POSITION, SPEED and CURRENT control
with/without trajectory tracking

86SERVO T600



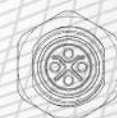
Unit : mm

Processor	DMP Vortex86EX2 533MHz 32-bit x86
Position Sensor	Absolute optical encoder 22bits PPR
Communication	RS485 x 2 ports, 6Mbps
Gear Box Backlash	<20 arcmin (0.33°)
Command Protocol	EtherCAT / Modbus RTU (optional)
Weight	1,600g
Dimension	76(W) x 76(H) x 112(L)mm
Rotational Range	0°~ 360°, endless turn
Motor	DMP high performance slotless brushless DC motor (240W)
Gear Reduction Ratio	111 : 1
Peak Torque	60.0 N-m (612 Kgf-cm) @48Vdc
Max Speed	110 RPM @48Vdc (No load speed)
Torque Sensor Range	0-60 N-m
Operating Temperature	-20°C ~ +70°C
Voltage	Recommended 24Vdc ~ 48Vdc
Material	Metal gear, Aluminum alloy case

Order Information	
Part Number	Description
86Servo T600	86Servo T600 servo motor
CABLE-12A17-PPNL-M01	Signal cable (1 Meter)
CABLE-12S04-SSNL-M01	Power cable (1 Meter)



Signal connector



Power connector

PIN #	Color	Function
1	Black	EtherCAT 0RX+
2	White	RS485 COM2-
3	Red	RS485 COM2+
4	Yellow	RS485 COM1-
5	Purple	RS485 COM1+
6	Blue	DI-COM
7	Brown	GND
8	Green	EtherCAT 0TX-
9	Grey	EtherCAT 0TX+

PIN #	Color	Function
10	L. Blue	EtherCAT 0RX-
11	Orange	EtherCAT 1RX+
12	L. Green	DI0
13	Pink	DI1
14	White & Black	EtherCAT 1TX-
15	Red & Black	EtherCAT 1TX+
16	Yellow & Black	EtherCAT 1RX-
17	Purple & Black	DI2

PIN #	Color	Function
1	Black	GND
2	White	NC
3	Red	48Vdc
PE	Green	FG



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