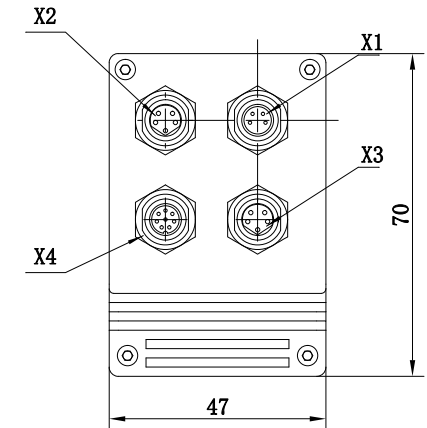
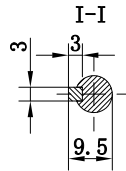
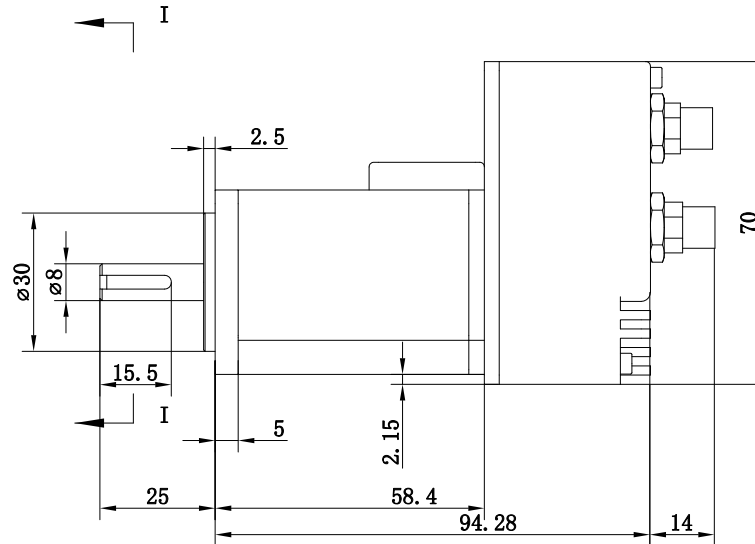
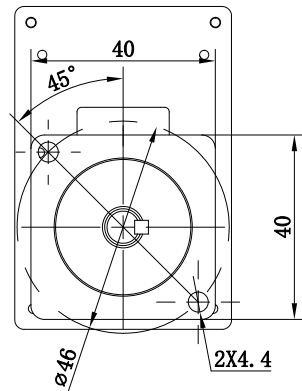


Side view



Note: Input1-3 Predefine the following functions. User can switch to universal input point via command.

X2 Fieldbus IN (M8, 5-Pole, B-coding, female)			
X3 Fieldbus OUT (M8, 5-Pole, B-coding, female)			
PDE...-2		PDE...-5	PDE...-1
Pin No.	Function	Function	Function
1	NC	NC	Tx+
2	NC	NC	Tx-
3	CAN_H	RS485-A	Rx+
4	CAN_L	RS485-B	Rx-
5	GND	GND	GND

X1 Power (M8, 4-Pole, A-coding, female)	
Pin No.	Function
1	+UB (12-48V)
2	+UB (12-48V)
3	GND
4	GND

X4 IO (M8, 8-Pole, A-coding, female)	
Pin No.	Function
1	Input1 (Negative Limit PNP 24V)
2	Input2 (Positive limit PNP 24V)
3	Input3 (Home switch PNP 24V)
4	Input4 (No predefined PNP 24V)
5	Analog Input (0-10V)
6	Output1 (open drain)
7	Output2 (open drain)
8	GND

电动机规格书/Motor Specification

电机极数/Poles	10
电压/Voltage	48 VDC
电阻/Resistance	0.35 Ω $\pm$ 10%
电感/Inductance	0.4 mH $\pm$ 20%
额定电流/Rated Current	2.75 A
额定转矩/Rated Torque	0.32 Nm
额定转速/Rated Speed	3000 rpm
额定功率/Rated Power	100 W
位置传感器/Encoder	ABSOLUTE ENCODER NME33
使用温度范围/Operation Ambient Temperature	-20°C ~ +70°C
保存温度范围/Storage Ambient Temperature	-40°C ~ +70°C
反电势系数/Back EMF coefficient	3.9
转动惯量/Inertia	0.071 g·cm ²
使用湿度范围/Operation Ambient Humidity	20%RH ~ 90%RH
编码器分辨率/Encoder Resolution	16Bit

备注内容/ Description

CODE	ITEM	NOTE	DATA
1. 28. 0031. 07. 1	PDE40L-G10-1	EtherCAT	08. 14
1. 28. 0031. 07. 2	PDE40L-G10-2	CANOPEN	08. 14
1. 28. 0031. 07. 5	PDE40L-G10-5	MODBUS-RTU	08. 14

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C			
B			
A	初版/First Edition		
版本 Edition	变更内容 Revisions	设计 Designed	日期 DATE

型号 Model	PDE40L-AE-X						
批准 Approved	J. Song	24. 08. 14			材质 Material		
审核 Checked	CB. Y	24. 08. 14				No.	Sheet
制图 Drawn	QC. Y	24. 08. 14			比例 Scale	1:1	页 Sheet 1/2