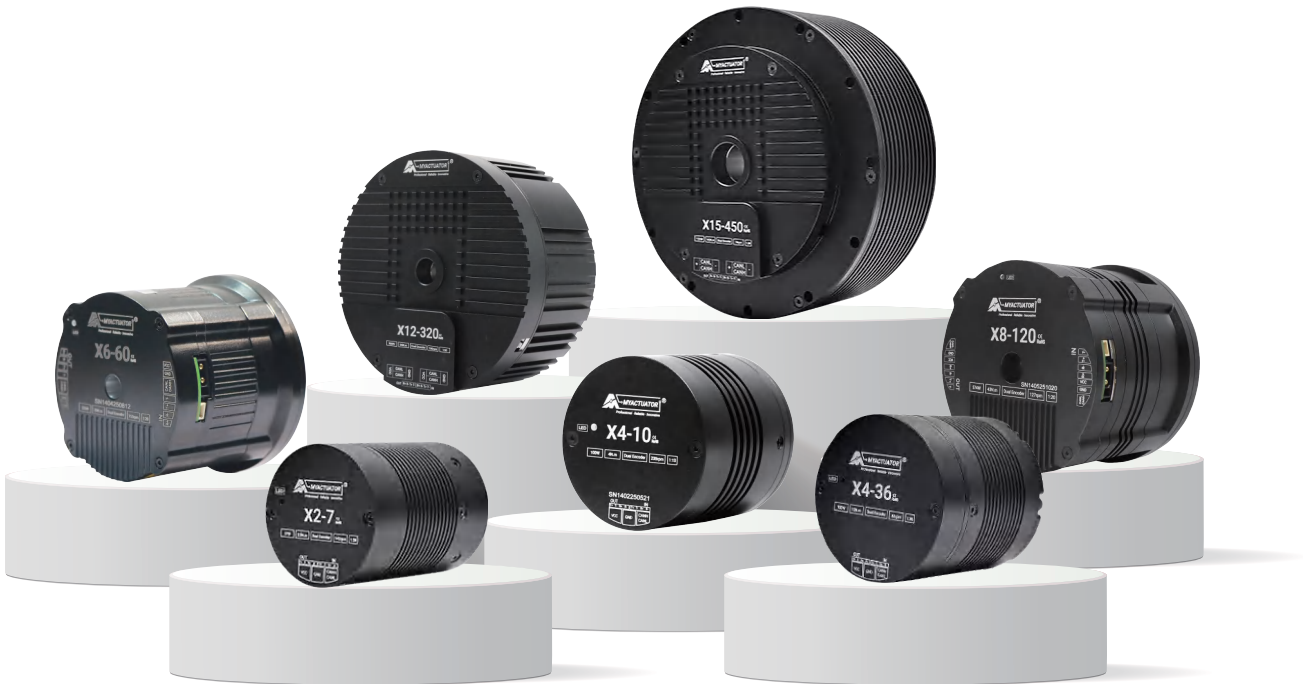


RMD-X V4 Series Planetary Actuator

Special Series For Robot



* The pictures of this series of products are subject to the actual products.

RMD-X V4 Series Product Features

EtherCAT & CAN BUS

Crossed Roller Bearings

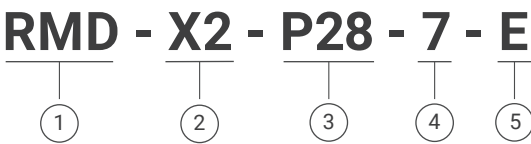
Dual Encoder

High Torque Density

High Precision

Hollow Design

RMD-X V4 Series Naming Conventions



- 1

RMD:

Brand Name R-Reducer M-Motor D-Drive
- 2

X2:

X Stands For The Series Name: Integrated Planetary Actuator,
2 represent motor model number e.g:X2 X4 X6 X8 etc
- 3

P28:

Planetary gear ratio e.g:P12 P28 P32 etc
- 4

7:

Peak torque 7N.m
- 5

E:

EtherCAT & CAN BUS

For example

Model	RMD-X8-P20-120-E
Illustrate	RMD: Brand Name
	X8: Motor model name
	P20: Planetary gear ratio 20:1
	120: Peak torque
	E: EtherCAT & CAN BUS

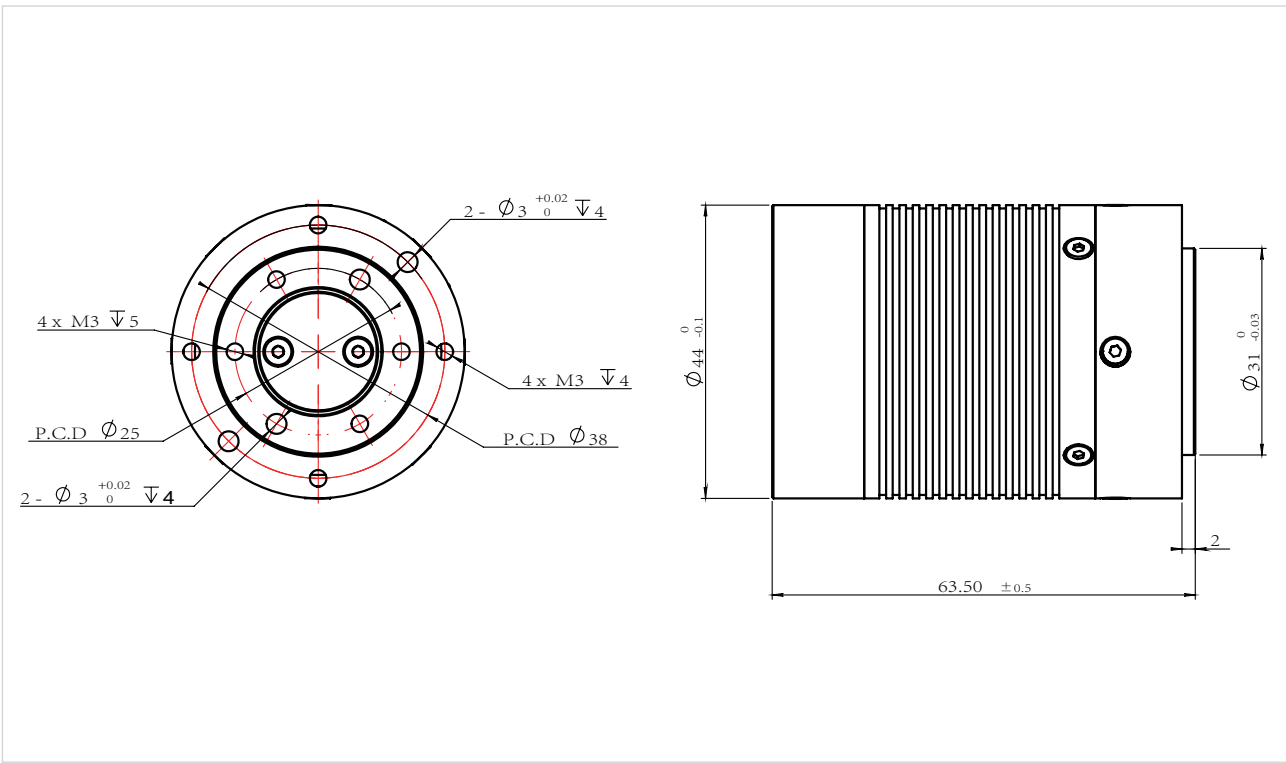
Series Name
RMD-X
Motor Simplified Name
X2-7



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X2-P28-7-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



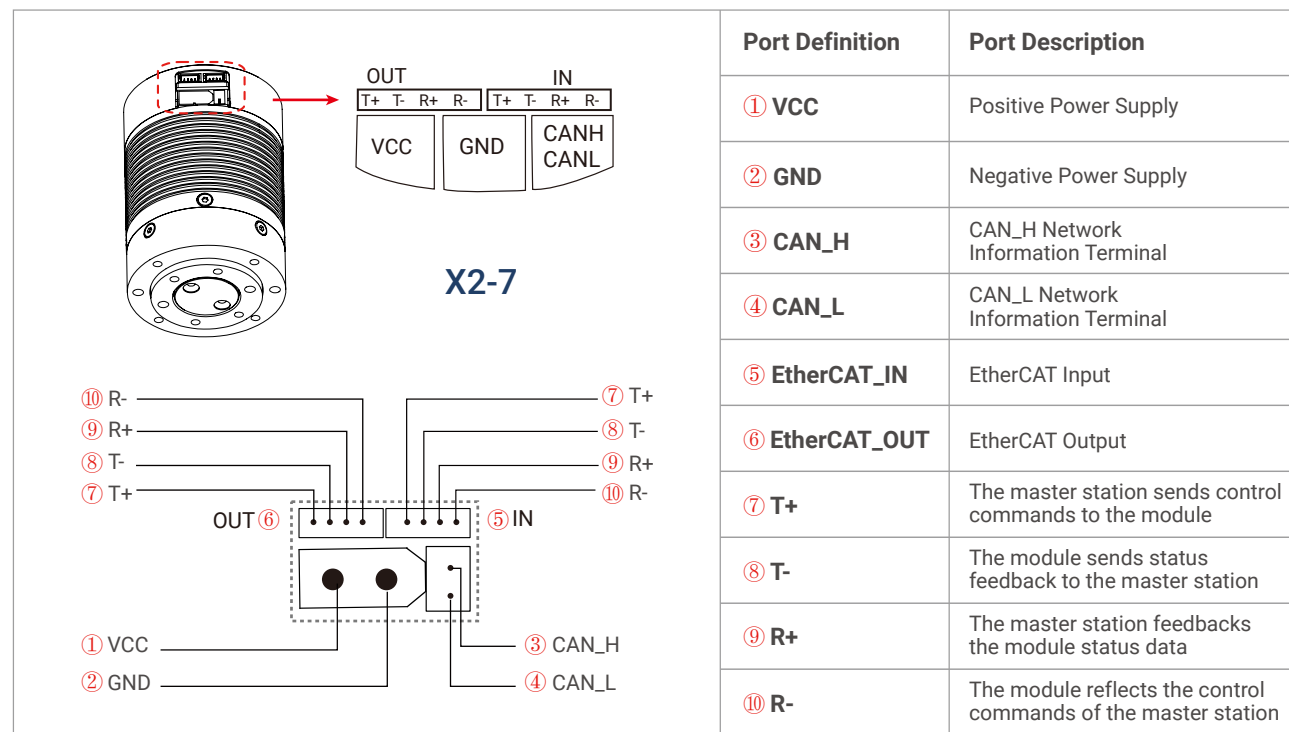
Product Parameters

Parameters	Unit	X2-7
Gear Ratio	—	28.17
Input Voltage	V	24
No Load Speed	RPM	178
No-Load Input Current	A	1
Rated Speed	RPM	142
Rated Torque	N.m	2.5
Rated Power	W	37
Rated Current	A	3
Peak Torque	N.m	7
Peak Current	A	8.1
Efficiency	%	63
Motor Back-EMF Constant	Vdc/Krpm	4.3
Module Torque Constant	N.m/A	0.8
Motor Phase Resistance	Ω	0.61
Motor Phase Inductance	mH	0.13
Pole Pair	—	13
3 Phase Connection	—	Y
Back Drive Torque	N.m	0.4
Backlash	Arcmin	≤15
Output Bearing Type	—	Deep Groove Ball Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	1
Inertia	Kg.cm ²	0.17
Encoder Type & Interface	—	Dual Encoder ABS-17BIT(Input) / 18BIT(Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	0.26
Insulation Grade	—	F

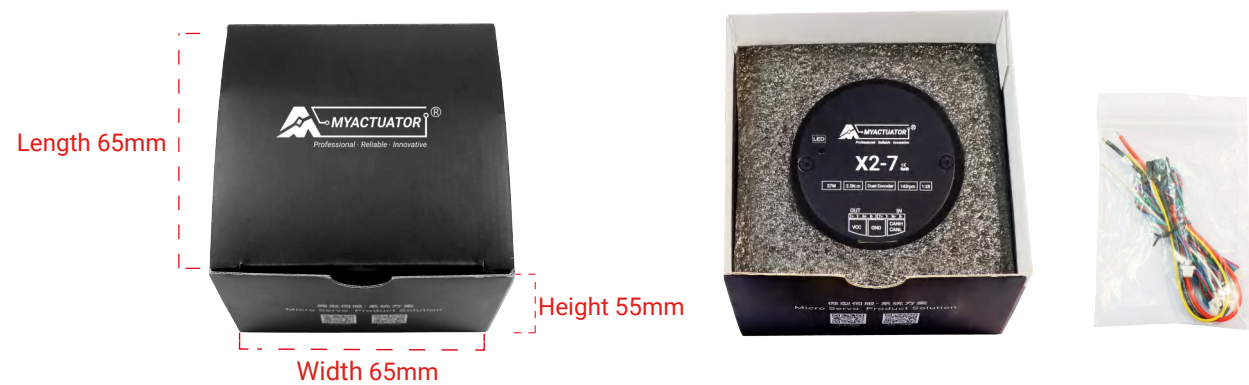
Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X2-7	3.75	20	15	4.3
	5	48	10	5.7
	6.25	31	8	7.4
	7.5	59	5	8.6

X2-7 Interface Description



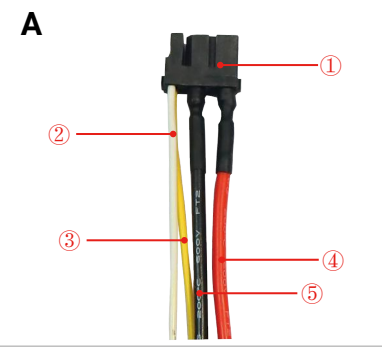
X2-7 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *1
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. CAN BUS Communication Module *1
- E. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

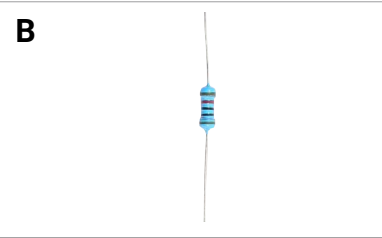
X2-7 Accessories Marking Instructions



A

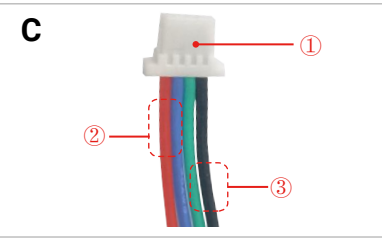
Power Supply + CAN BUS Communication Cable

① XT30(2+2) Connector	
② White Line	CAN_L Network Signal Terminal 26AWG 20cm
③ Yellow Line	CAN_H Network Signal Terminal 26AWG 20cm
④ Red Line	VCC Positive Power Supply 18AWG 20cm
⑤ Black Line	GND Negative Power Supply 18AWG 20cm



B

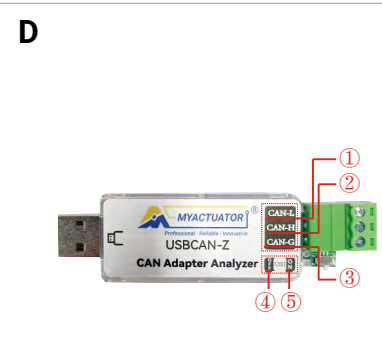
120Ω Terminal Resistance



C

EtherCAT Communication Cable

① SH1.0mm(4pin) Connector	
② T	EtherCAT Communication Signal Transmission Line 480mm
③ R	EtherCAT Communication Signal Receiving Line 480mm

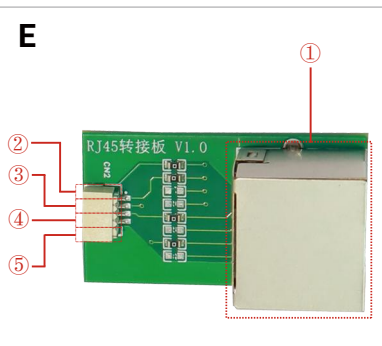


D

CAN BUS Communication Module

① CAN-L	CAN_L NetworkInformation Terminal
② CAN-H	CAN_H Network Information Terminal
③ CAN-G	GND Ground
④ OFF	120Ω Terminal Resistance
⑤ ON	120Ω Terminal Resistance

Notes: Each order includes one USB-CAN adapter. For additional adapters, please contact our sales team to place an order.



E

RJ45 Adapter Plate V1.0

① RJ45 Connector	Wired Network Interface
② T+	The master station sends control commands to the module
③ T-	The module sends status feedback to the master station
④ R+	The master station feedbacks the module status data
⑤ R-	The module reflects the control commands of the master station

Notes: Ethercat version - Each order includes one RJ45 adapter. For additional adapters, please contact our sales team to place an order.

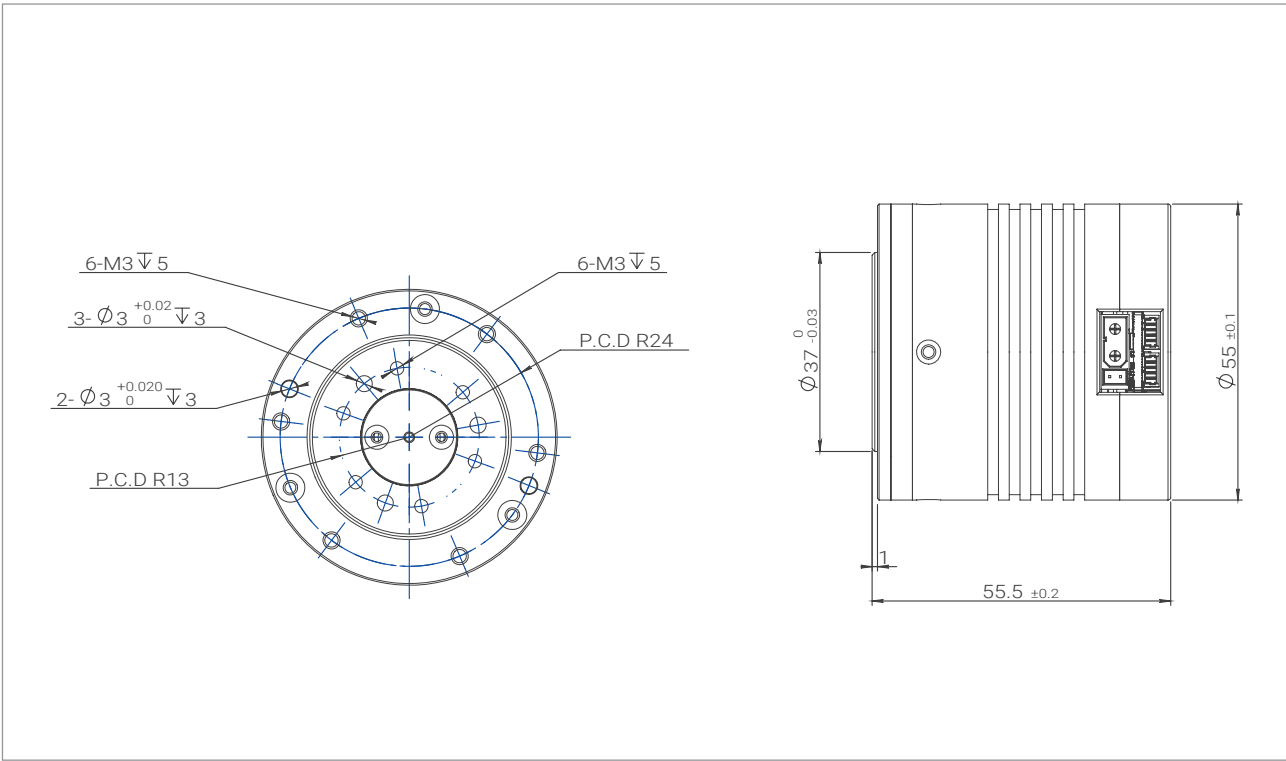
Series Name
RMD-X
Motor Simplified Name
X4-10



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X4-P12-10-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



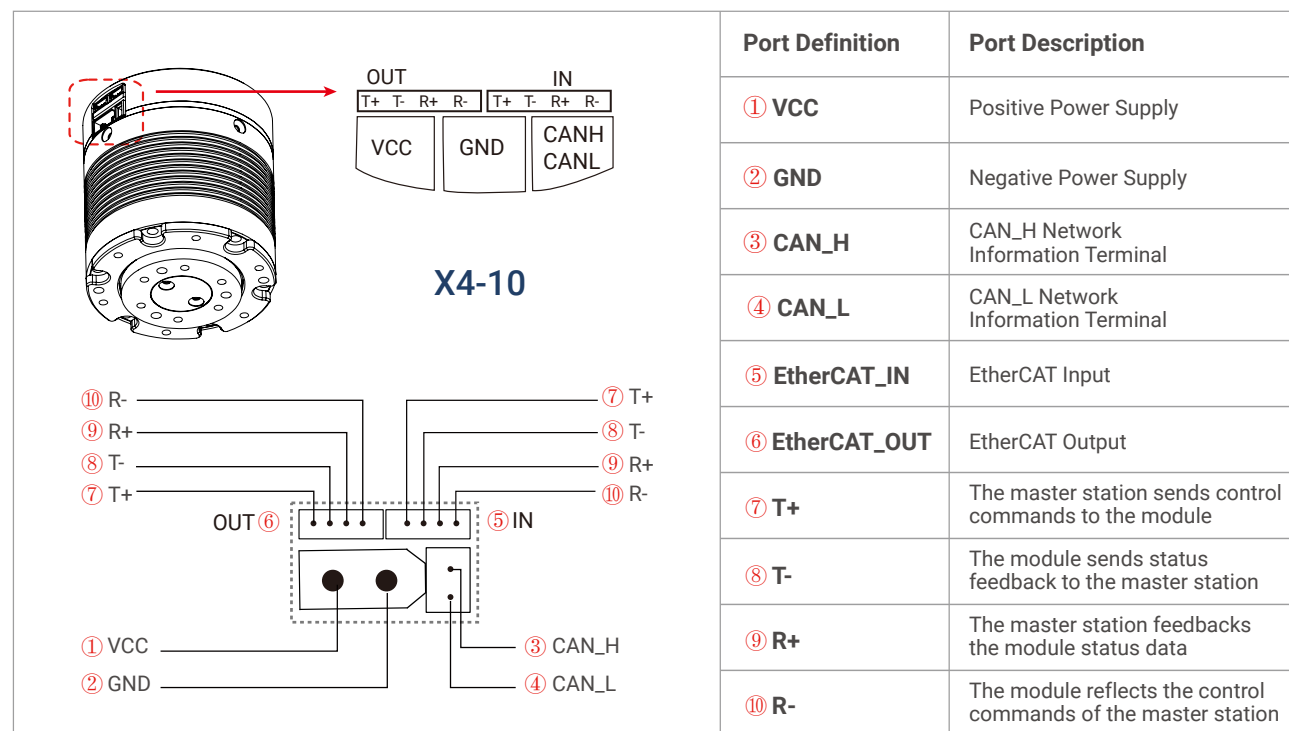
Product Parameters

Parameters	Unit	X4-10
Gear Ratio	—	12.6
Input Voltage	V	24
No Load Speed	RPM	317
No-Load Input Current	A	1
Rated Speed	RPM	238
Rated Torque	N.m	4
Rated Output Power	W	100
Rated Phase Current	A(rms)	7.8
Peak Torque	N.m	10
Peak Phase Current	A(rms)	19.5
Efficiency	%	69.5
Motor Back-EMF Constant	Vdc/Krpm	6
Module Torque Constant	N.m/A	0.8
Motor Phase Resistance	Ω	0.32
Motor Phase Inductance	mH	0.14
Pole Pair	—	13
3 Phase Connection	—	Y
Back Drive Torque	N.m	0.8
Backlash	Arcmin	10
Output Bearing Type	—	Deep Groove Ball Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	1.2
Inertia	Kg.cm ²	0.25
Encoder Type & Interface	—	Dual Encoder ABS-17BIT (Input) / 18BIT(Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	0.33
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X4-10	5.2	41	10	7.8
	6	16	8	9.1
	7.2	26	5	11
	8	30	3	12.1

X4-10 Interface Description



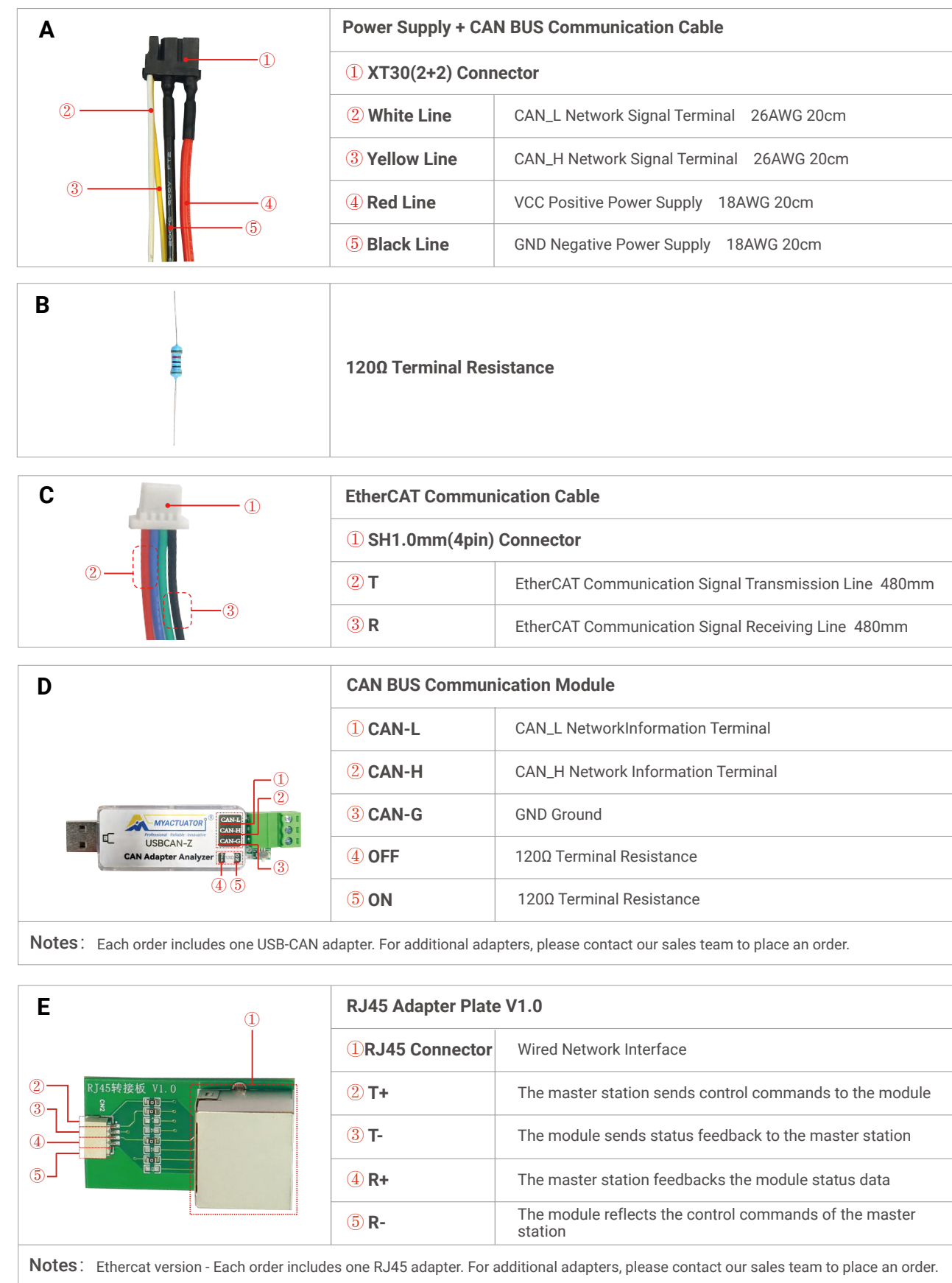
X4-10 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *1
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. CAN BUS Communication Module *1
- E. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

X4-10 Accessories Marking Instructions



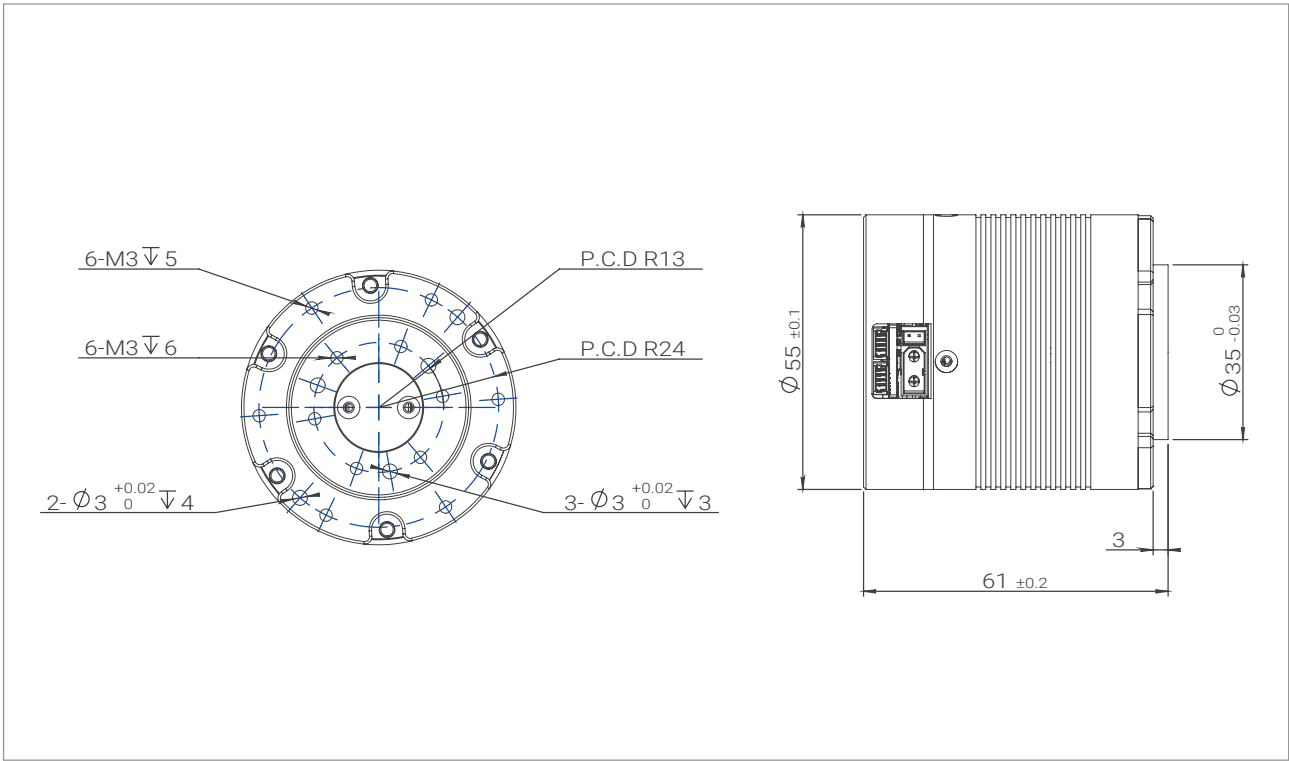
Series Name
RMD-X
Motor Simplified Name
X4-36



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X4-P36-36-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



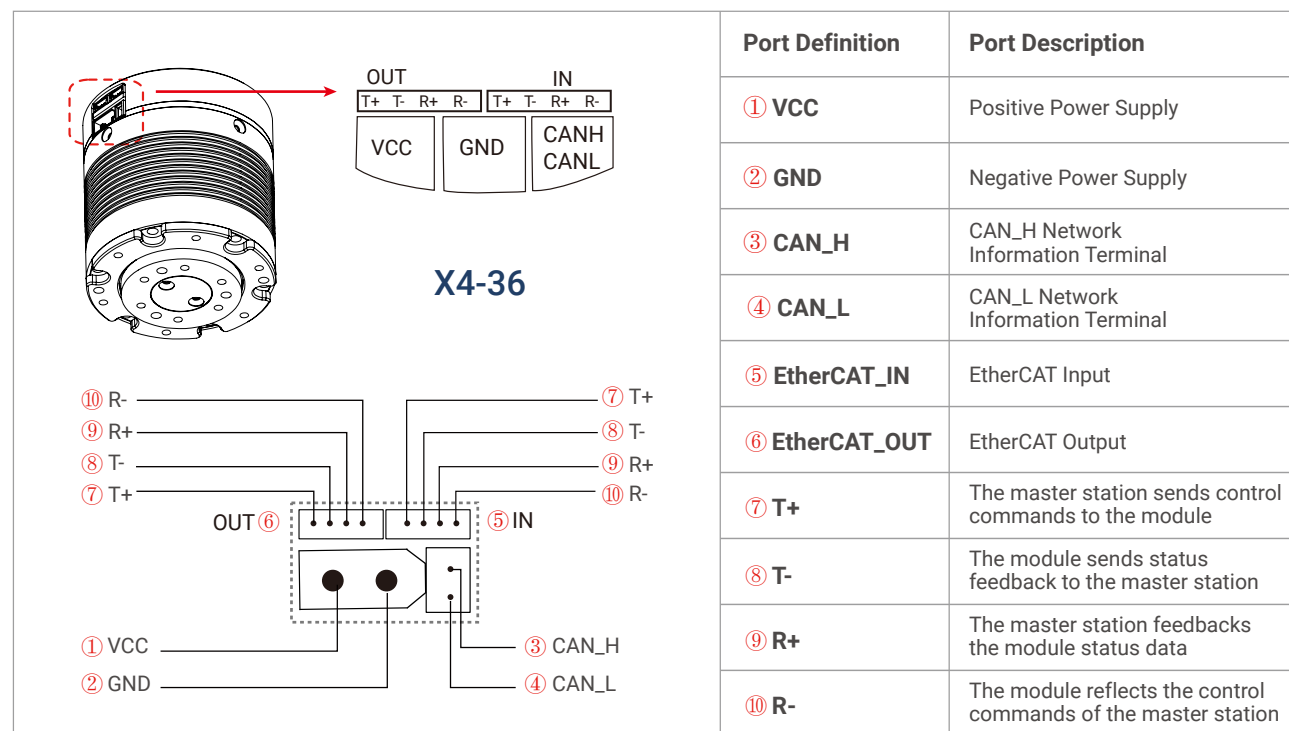
Product Parameters

Parameters	Unit	X4-36
Gear Ratio	—	36
Input Voltage	V	24
No Load Speed	RPM	111
No-Load Input Current	A	0.9
Rated Speed	RPM	83
Rated Torque	N.m	10.5
Rated Output Power	W	100
Rated Phase Current	A(rms)	6.1
Peak Torque	N.m	34
Peak Phase Current	A(rms)	21.5
Efficiency	%	63.1
Motor Back-EMF Constant	Vdc/Krpm	6
Module Torque Constant	N.m/A	1.9
Motor Phase Resistance	Ω	0.35
Motor Phase Inductance	mH	0.17
Pole Pair	—	13
3 Phase Connection	—	Y
Back Drive Torque	N.m	1.14
Backlash	Arcmin	10
Output Bearing Type	—	Crossed Roller Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	1.5
Inertia	Kg.cm ²	0.3
Encoder Type & Interface	—	Dual Encoder ABS-17BIT (Input) / 18BIT (Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	0.36
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X4-36	17.25	30	15	9.2
	23	58	10	12.7
	28.75	41	5	16.3
	34.5	50	3	21.2

X4-36 Interface Description



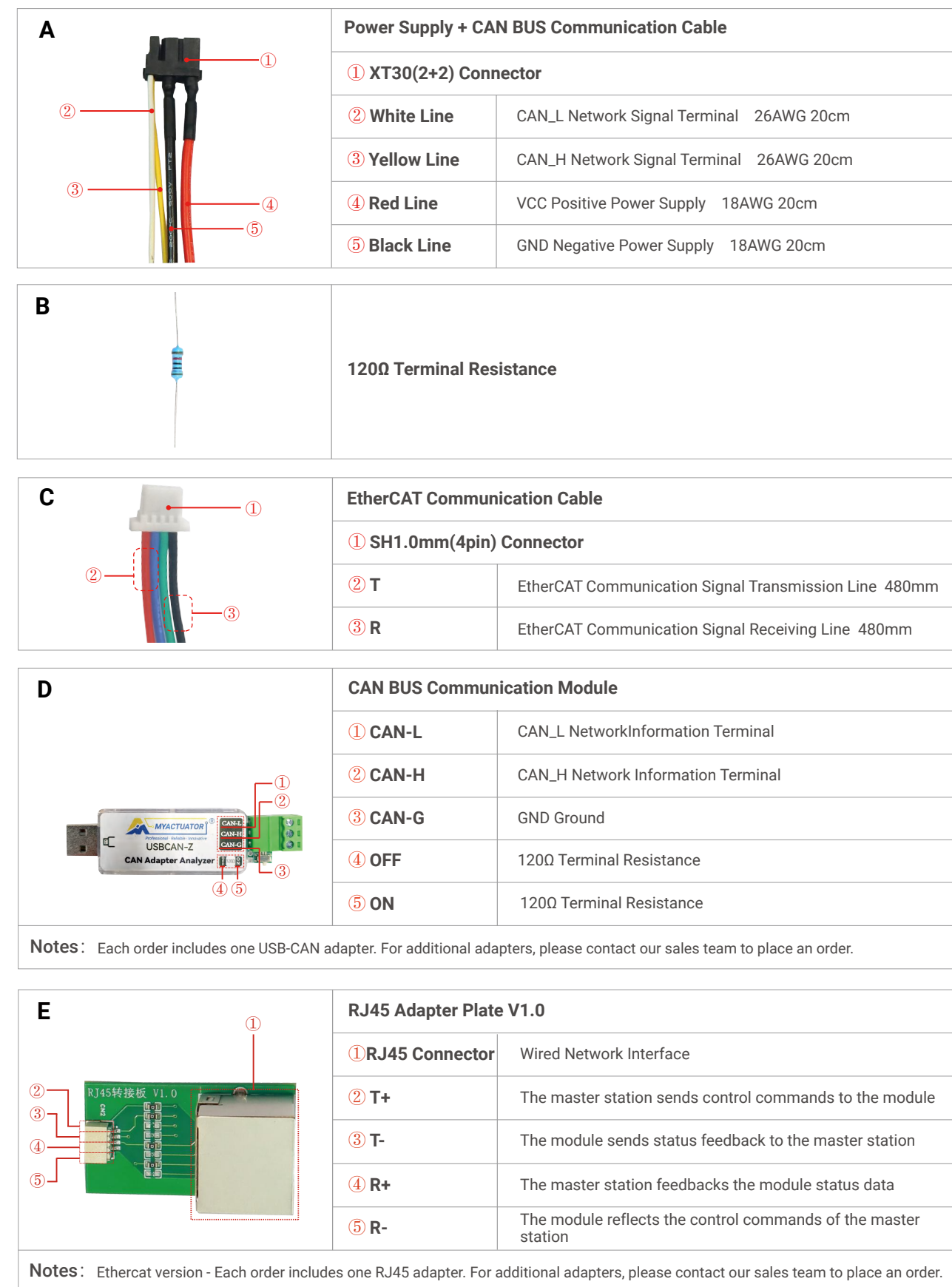
X4-36 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *1
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. CAN BUS Communication Module *1
- E. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

X4-36 Accessories Marking Instructions



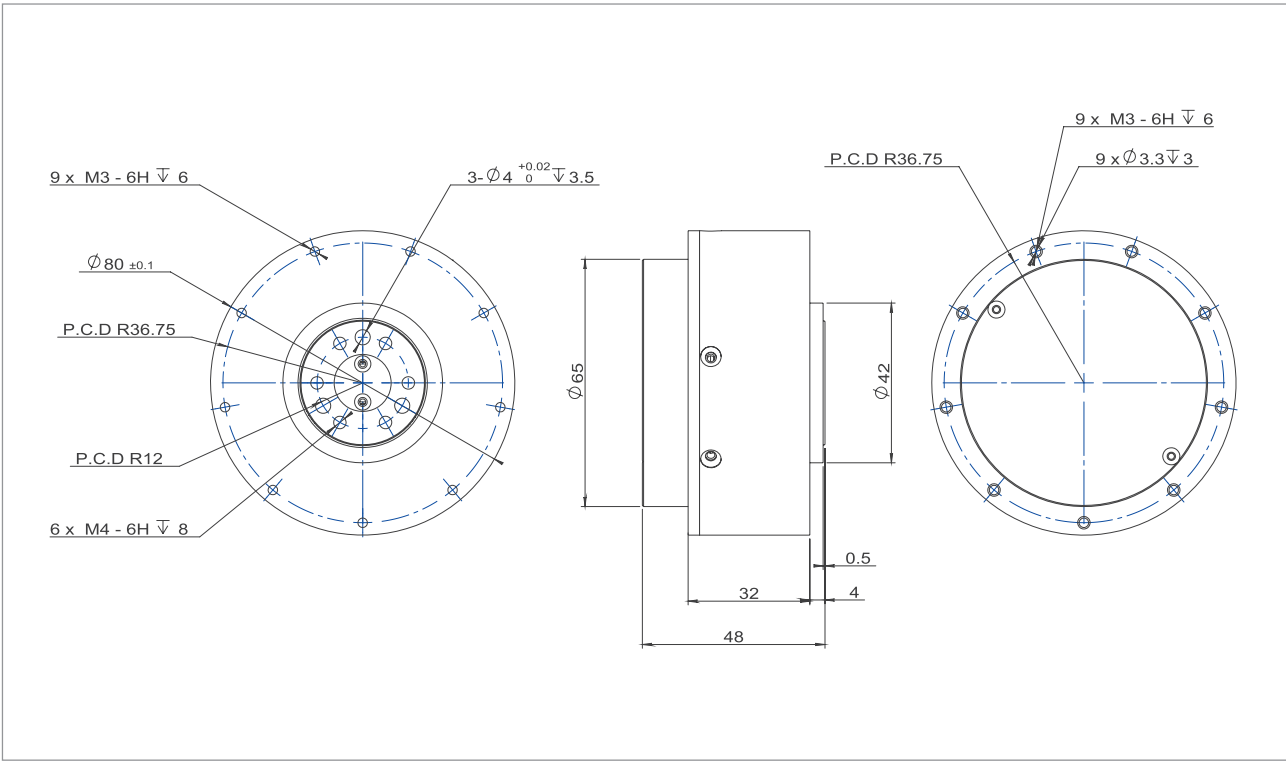
Series Name
RMD-X
Motor Simplified Name
X6-8



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X6-P8-8-C	N (without Brake)	CAN BUS

Installation Drawing



Product Parameters

Parameters	Unit	X6-8
Gear Ratio	—	8
Input Voltage	V	48
No Load Speed	RPM	387
No-Load Input Current	A	1.1
Rated Speed	RPM	310
Rated Torque	N.m	4.5
Rated Output Power	W	135
Rated Phase Current	A(rms)	3.6
Peak Torque	N.m	8
Peak Phase Current	A(rms)	7.2
Efficiency	%	78
Motor Back-EMF Constant	Vdc/Krpm	19.4
Module Torque Constant	N.m/A	1.3
Motor Phase Resistance	Ω	1.1
Motor Phase Inductance	mH	0.57
Pole Pair	—	14
3 Phase Connection	—	Y
Back Drive Torque	N.m	0.8
Backlash	Arcmin	10
Output Bearing Type	—	Deep Groove Ball Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	
Inertia	Kg.cm ²	
Encoder Type & Interface	—	Dual Encoder ABS-17BIT(Input) / 18BIT(Output)
Control Accuracy	Degree	<0.01
Communication	—	CAN BUS
Weight	Kg	0.49
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X6-8	6.75	30	10	7
	9	49	8	9.5
	11.25	31	5	11.3
	13.5	19	3	12.7

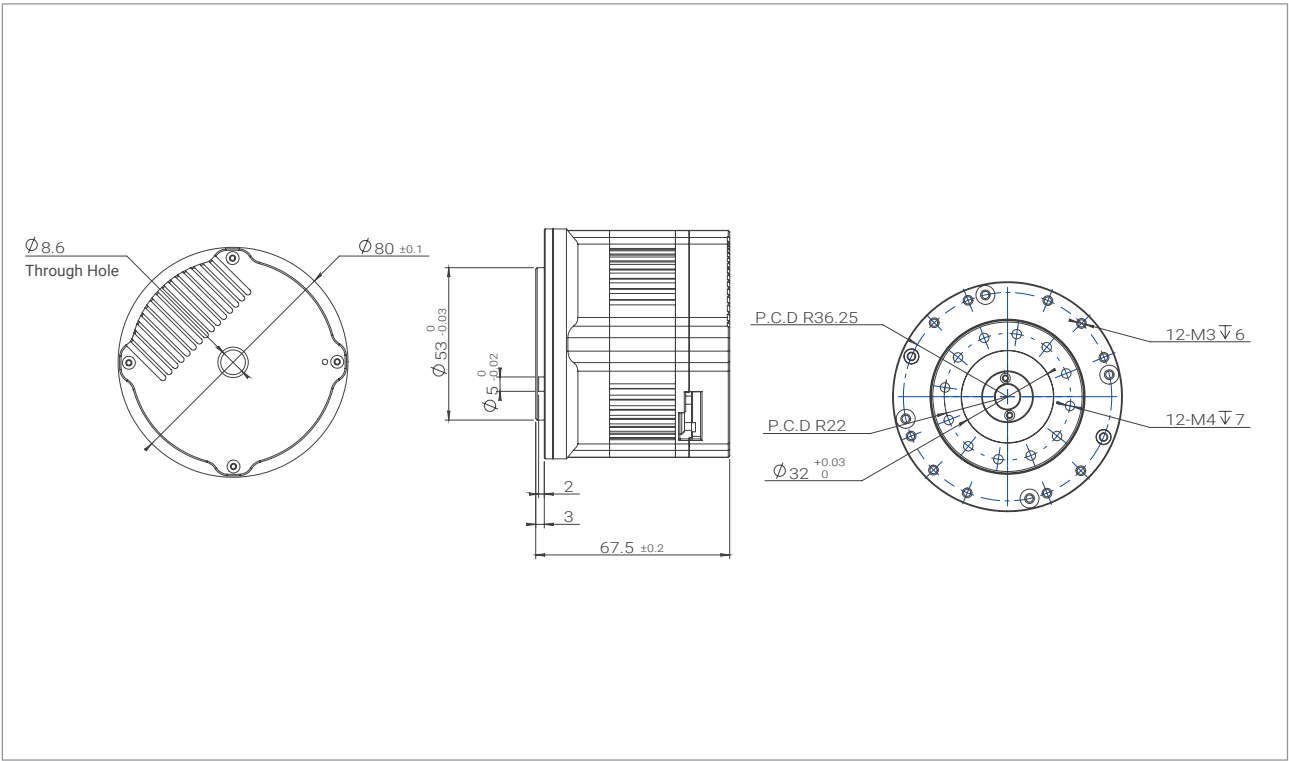
Series Name
RMD-X
Motor Simplified Name
X6-60



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X6-P20-60-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



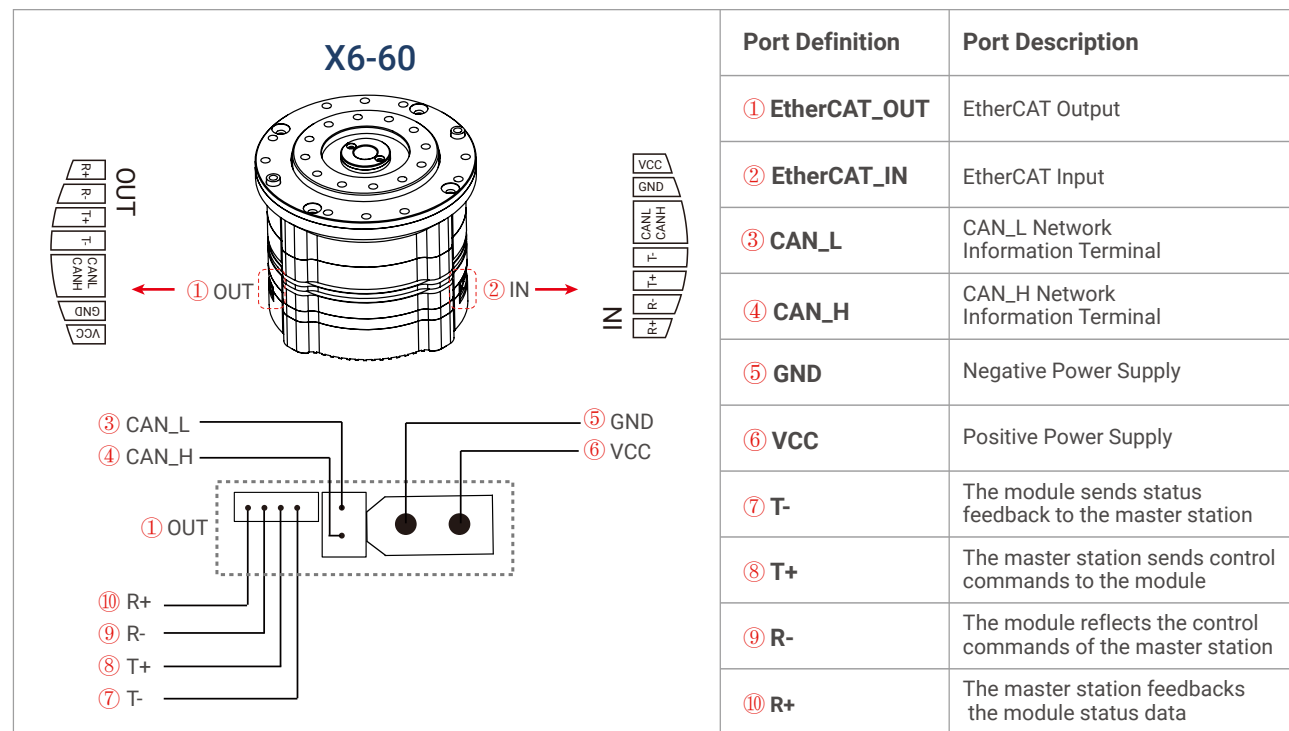
Product Parameters

Parameters	Unit	X6-60
Gear Ratio	—	19.612
Input Voltage	V	48
No Load Speed	RPM	176
No-Load Input Current	A	0.9
Rated Speed	RPM	153
Rated Torque	N.m	20
Rated Output Power	W	320
Rated Phase Current	A(rms)	9.5
Peak Torque	N.m	60
Peak Phase Current	A(rms)	29.1
Efficiency	%	72.7
Motor Back-EMF Constant	Vdc/Krpm	16
Module Torque Constant	N.m/A	2.1
Motor Phase Resistance	Ω	0.41
Motor Phase Inductance	mH	0.51
Pole Pair	—	10
3 Phase Connection	—	Y
Back Drive Torque	N.m	1.6
Backlash	Arcmin	10
Output Bearing Type	—	Crossed Roller Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	2
Inertia	Kg.cm ²	0.66
Encoder Type & Interface	—	Dual Encoder ABS-17BIT(Input) / 17BIT(Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	0.82
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X6-60	30	17	15	12.7
	40	29	10	17.7
	50	37	8	22.6
	60	24	5	28.3

X6-60 Interface Description



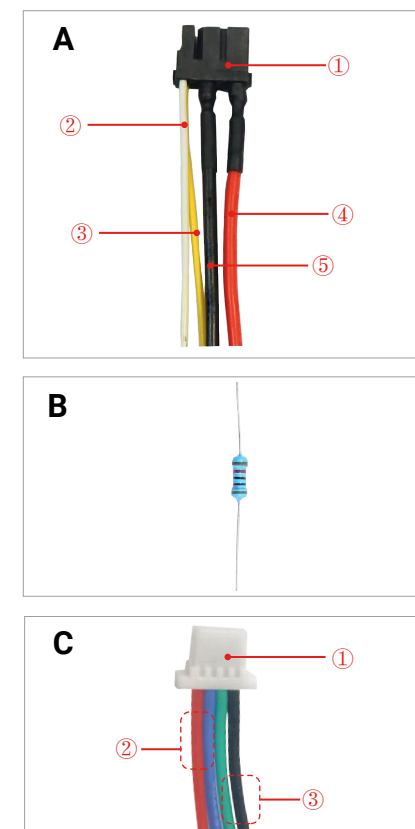
X6-60 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *2
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. CAN BUS Communication Module *1
- E. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

X6-60 Accessories Marking Instructions



A

B

C

D

E

Power Supply + CAN BUS Communication Cable	
① XT30(2+2)-F.G.B Connector	
② White Line :	CAN_L Network Signal Terminal 26AWG 20cm
③ Yellow Line :	CAN_H Network Signal Terminal 26AWG 20cm
④ Red Line :	VCC Positive Power Supply 14AWG UL3239 20cm
⑤ Black Line :	GND Negative Power Supply 14AWG UL3239 20cm

120Ω Terminal Resistance	
① 120Ω Terminal Resistance	

EtherCAT Communication Cable	
① SH1.0mm(4pin) Connector	
② T	EtherCAT Communication Signal Transmission Line 480mm
③ R	EtherCAT Communication Signal Receiving Line 480mm

CAN BUS Communication Module	
① CAN-L	CAN_L NetworkInformation Terminal
② CAN-H	CAN_H Network Information Terminal
③ CAN-G	GND Ground
④ OFF	120Ω Terminal Resistance
⑤ ON	120Ω Terminal Resistance

RJ45 Adapter Plate V1.0	
① RJ45 Connector	Wired Network Interface
② T+	The master station sends control commands to the module
③ T-	The module sends status feedback to the master station
④ R+	The master station feedbacks the module status data
⑤ R-	The module reflects the control commands of the master station

Notes: Each order includes one USB-CAN adapter. For additional adapters, please contact our sales team to place an order.

Notes: Ethercat version - Each order includes one RJ45 adapter. For additional adapters, please contact our sales team to place an order.

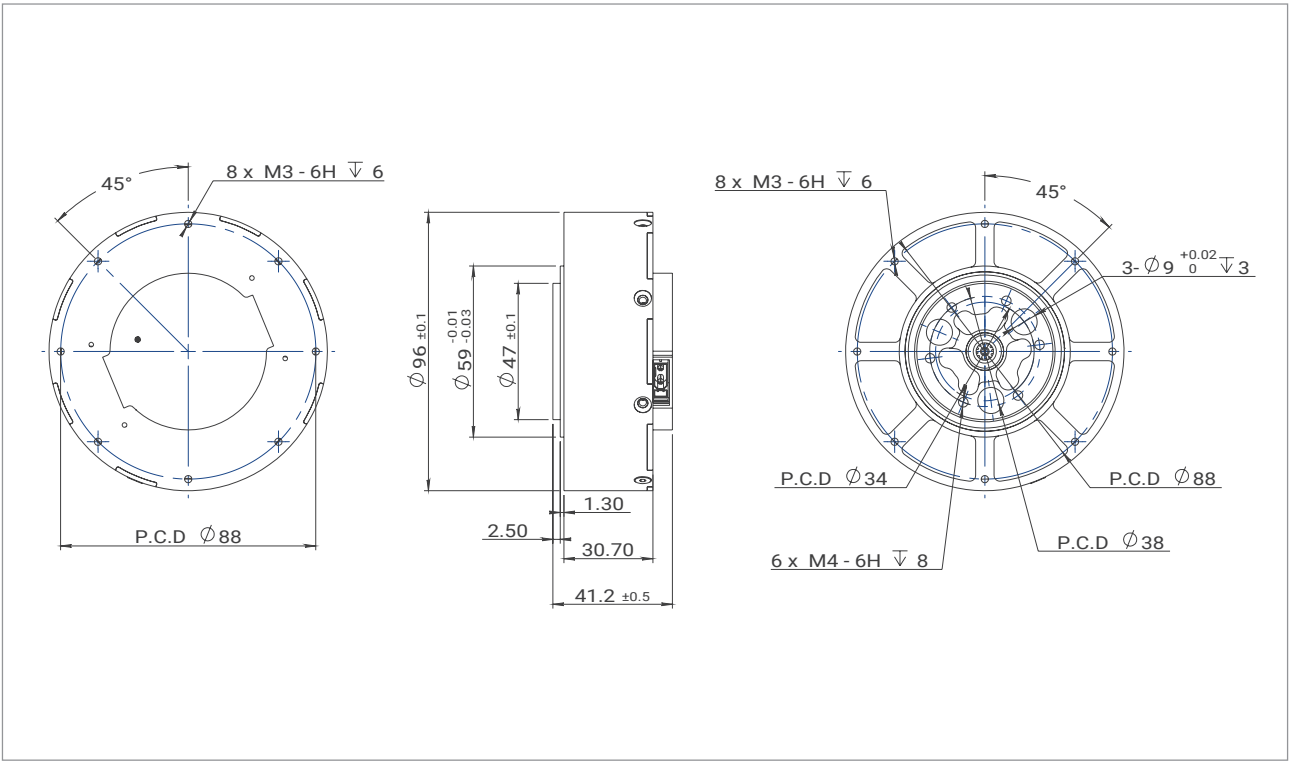
Series Name
RMD-X
Motor Simplified Name
X8-32



Single Encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X8-P9-32-R	N (without Brake)	RS485

Installation Drawing



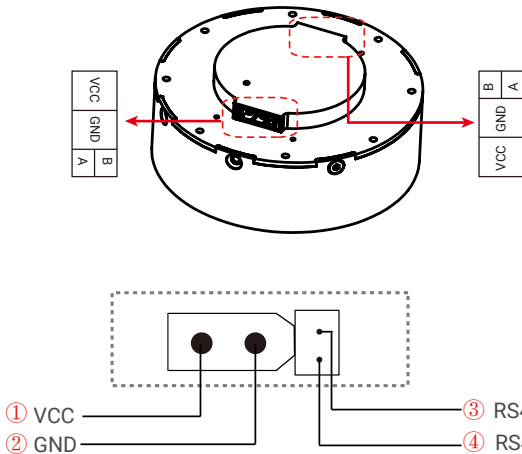
Product Parameters

Parameters	Unit	X8-32
Gear Ratio	—	9
Input Voltage	V	24
No Load Speed	RPM	277
No-Load Input Current	A	0.9
Rated Speed	RPM	244
Rated Torque	N.m	8
Rated Output Power	W	204
Rated Phase Current	A(rms)	6.2
Peak Torque	N.m	32
Peak Phase Current	A(rms)	30
Efficiency	%	82
Motor Back-EMF Constant	Vdc/Krpm	10.9
Module Torque Constant	N.m/A	1.3
Phase Resistance	Ω	0.13
Phase Inductance	mH	0.081
Pole Pair	—	21
3 Phase Connection	—	△
Back Drive Torque	N.m	0.8
Backlash	Arcmin	8
Output Bearing Type	—	Deep Groove Ball Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	2
Inertia	Kg.cm ²	1.43
Encoder Type & Interface	—	Single Encoder ABS-18BIT
Control Accuracy	Degree	<0.01
Communication	—	RS485
Weight	Kg	0.55
Insulation Grade	—	F

Stall Torque Data

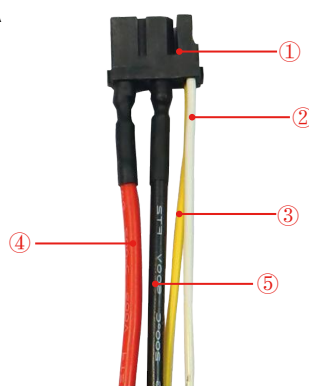
	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X8-32	15.6	6	10	18.4
	18	11	8	21.2
	24	36	5	29
	30	54	3	38.2

X8-32 Interface Description

X8-32		Port Definition	Port Description
	① VCC		Positive Power Supply
	② GND		Negative Power Supply
	③ RS485 B		RS485-B
	④ RS485 A		RS485-A

X8-32 Accessories Marking Instructions

A

A diagram of a cable assembly. At the top is a black XT30(2+2) connector. Below it, four wires are shown: a red wire (labeled 4), a black wire (labeled 5), a yellow wire (labeled 3), and a white wire (labeled 2). The red and black wires are bundled together on the left, while the yellow and white wires are on the right. A red line with a circled number 1 points to the connector. A red line with a circled number 2 points to the white wire. A red line with a circled number 3 points to the yellow wire. A red line with a circled number 4 points to the red wire. A red line with a circled number 5 points to the black wire.

Power Supply + RS485 Communication Cable

① XT30(2+2) Connector

② White Line

RS485-A 26AWG 20cm

③ Yellow Line

RS485-B 26AWG 20cm


④ Red Line

VCC Positive Power Supply 14AWG 20cm

⑤ Black Line

GND Negative Power Supply 14AWG 20cm

B

A diagram of a single wire with a blue and white resistor (120Ω) soldered to it.

120Ω Terminal Resistance

X8-32 Packaging Information



List:

- A. Power Supply + RS485 Communication Cable *2
- B. 120Ω Terminal Resistance

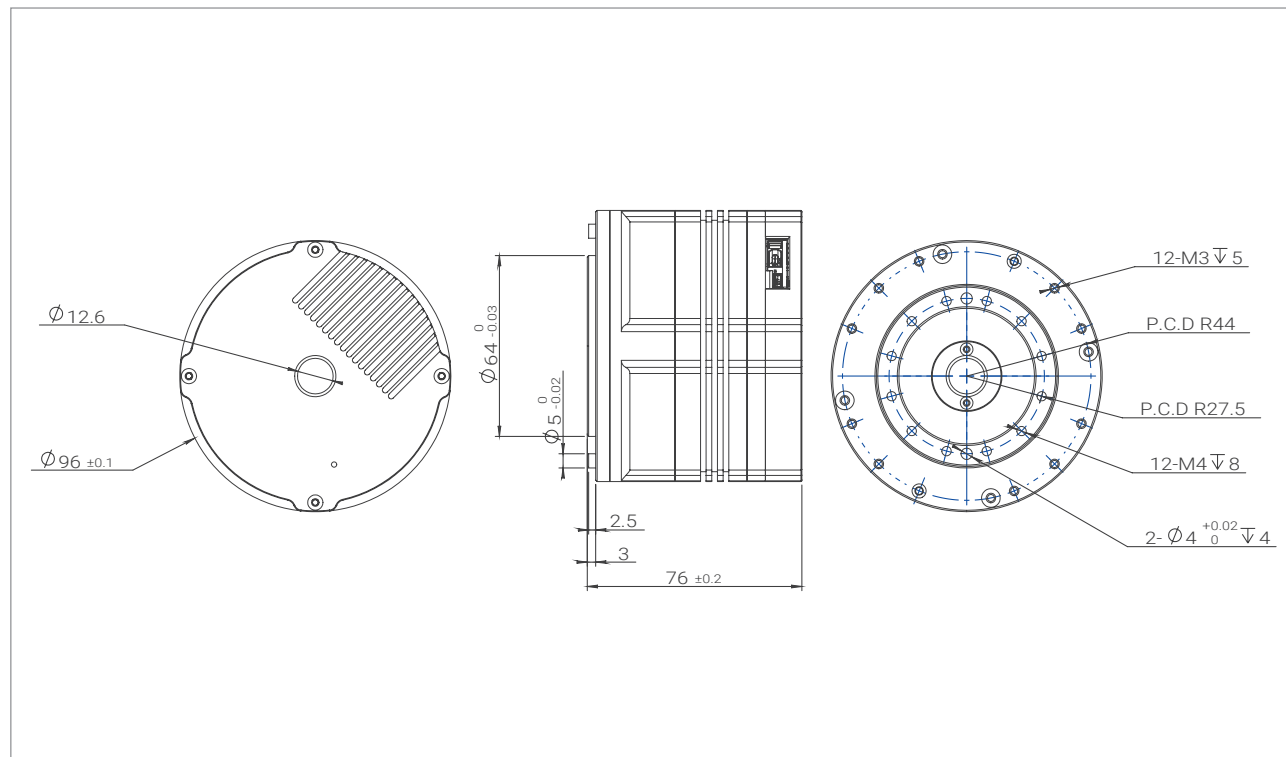
Series Name
RMD-X
Motor Simplified Name
X8-120



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X8-P20-120-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



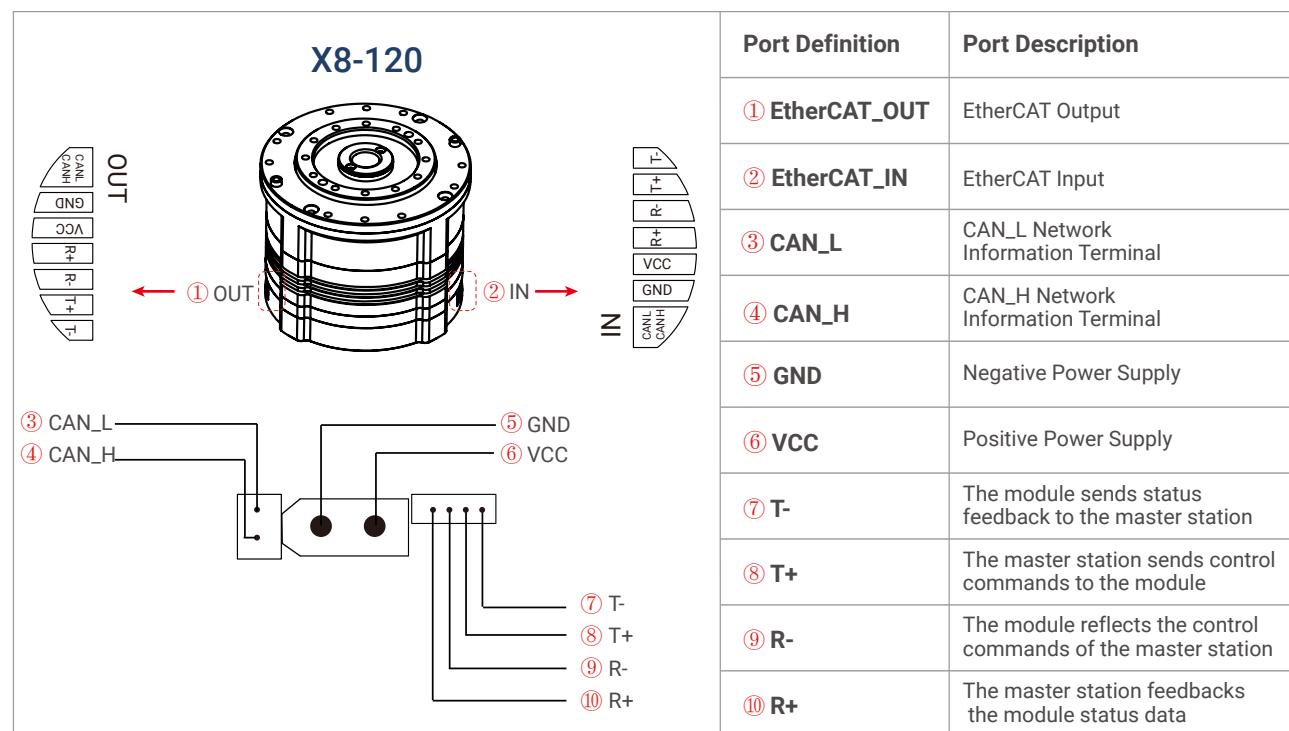
Product Parameters

Parameters	Unit	X8-120
Gear Ratio	—	19.612
Input Voltage	V	48
No Load Speed	RPM	158
No-Load Input Current	A	1.6
Rated Speed	RPM	127
Rated Torque	N.m	43
Rated Output Power	W	574
Rated Phase Current	A(rms)	17.6
Peak Torque	N.m	120
Peak Phase Current	A(rms)	43.8
Efficiency	%	79
Motor Back-EMF Constant	Vdc/Krpm	19.2
Module Torque Constant	N.m/A	2.4
Motor Phase Resistance	Ω	0.18
Motor Phase Inductance	mH	0.31
Pole Pair	—	10
3 Phase Connection	—	Y
Back Drive Torque	N.m	3.21
Backlash	Arcmin	10
Output Bearing Type	—	Crossed Roller Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	4.5
Inertia	Kg.cm ²	1.5
Encoder Type & Interface	—	Dual Encoder ABS-17BIT (Input) / 17BIT (Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	1.40
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X8-120	64.5	7	15	23.3
	86	10	10	31.1
	107.5	26	8	38.9
	129	30	5	43.8

X8-120 Interface Description



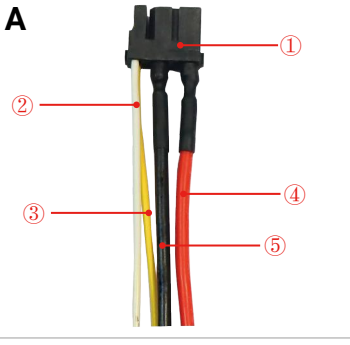
X8-120 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *2
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. CAN BUS Communication Module *1
- E. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

X8-120 Accessories Marking Instructions

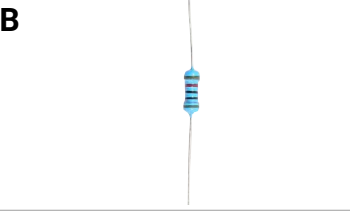


A

Power Supply + CAN BUS Communication Cable

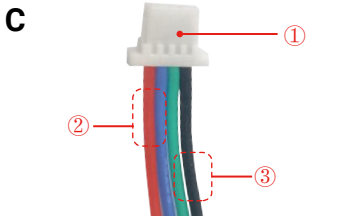
① XT30(2+2)-F.G.B Connector

② White Line :	CAN_L Network Signal Terminal	26AWG	20cm
③ Yellow Line :	CAN_H Network Signal Terminal	26AWG	20cm
④ Red Line :	VCC Positive Power Supply	14AWG	UL3239 20cm
⑤ Black Line :	GND Negative Power Supply	14AWG	UL3239 20cm



B

120Ω Terminal Resistance

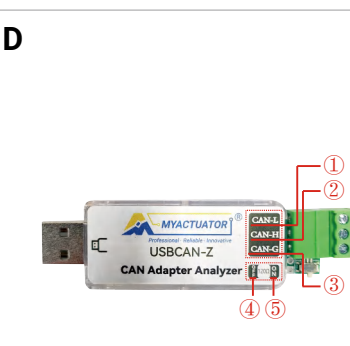


C

EtherCAT Communication Cable

① SH1.0mm(4pin) Connector

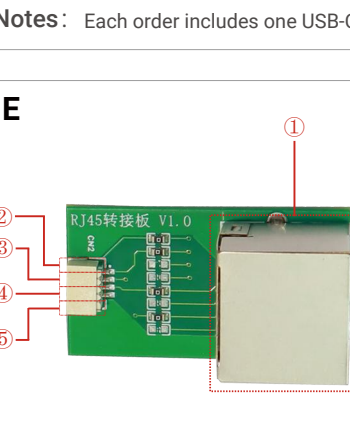
② T	EtherCAT Communication Signal Transmission Line	480mm
③ R	EtherCAT Communication Signal Receiving Line	480mm



D

CAN BUS Communication Module

① CAN-L	CAN_L NetworkInformation Terminal
② CAN-H	CAN_H Network Information Terminal
③ CAN-G	GND Ground
④ OFF	120Ω Terminal Resistance
⑤ ON	120Ω Terminal Resistance



E

RJ45 Adapter Plate V1.0

① RJ45 Connector	Wired Network Interface
② T+	The master station sends control commands to the module
③ T-	The module sends status feedback to the master station
④ R+	The master station feedbacks the module status data
⑤ R-	The module reflects the control commands of the master station

Notes: Each order includes one USB-CAN adapter. For additional adapters, please contact our sales team to place an order.

Notes: Ethercat version - Each order includes one RJ45 adapter. For additional adapters, please contact our sales team to place an order.

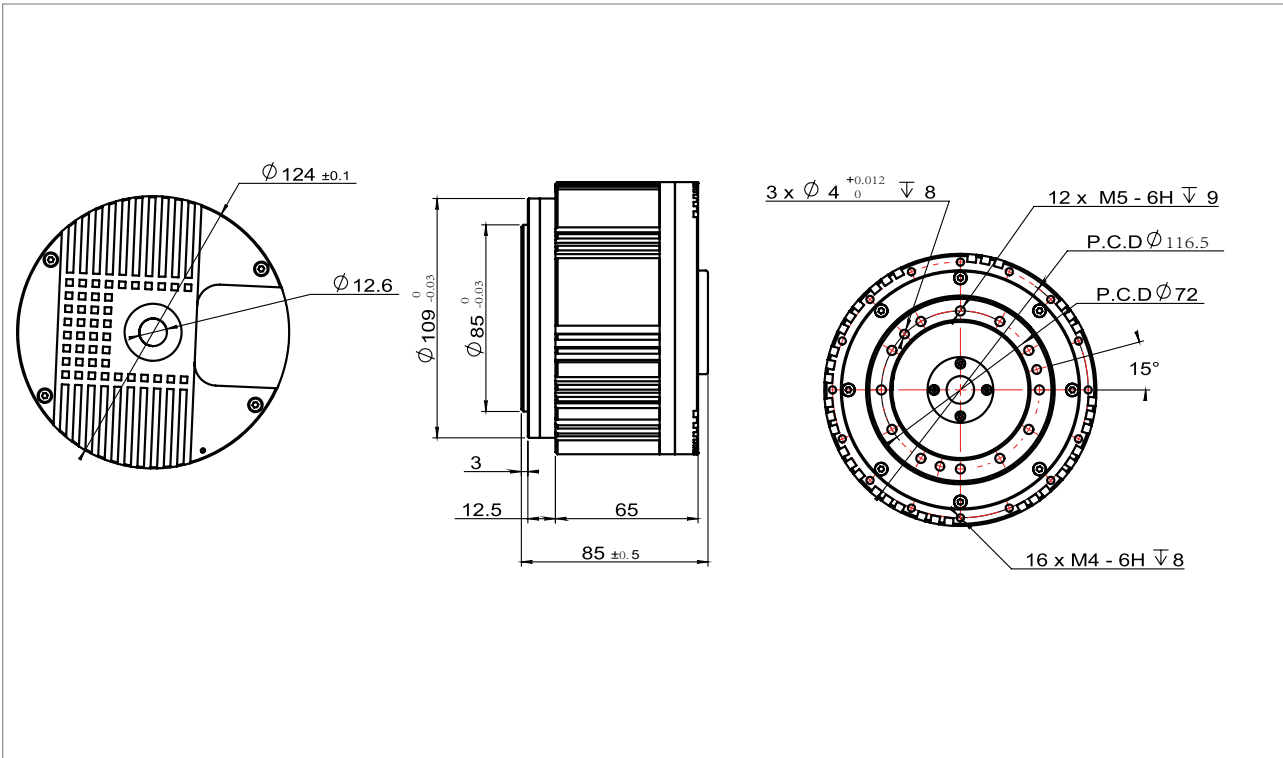
Series Name
RMD-X
Motor Simplified Name
X12-320



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X12-P20-320-E	N (without Brake)	EtherCAT / CAN BUS

Installation Drawing



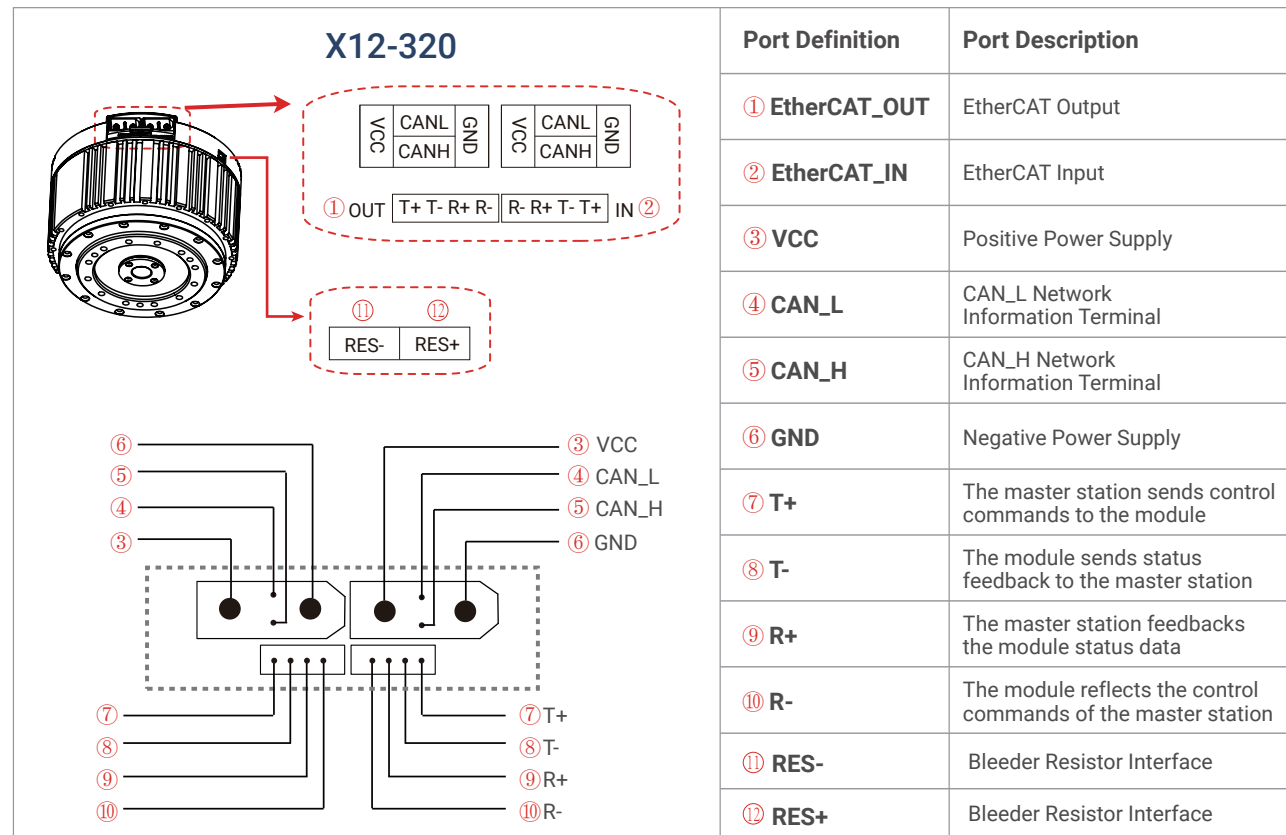
Product Parameters

Parameters	Unit	X12-320
Gear Ratio	—	20
Input Voltage	V	48
No Load Speed	RPM	125
No-Load Input Current	A	2.7
Rated Speed	RPM	100
Rated Torque	N.m	85
Rated Output Power	W	1000
Rated Phase Current	A(rms)	30
Peak Torque	N.m	320
Peak Phase Current	A(rms)	100
Efficiency	%	75
Motor Back-EMF Constant	Vdc/Krpm	17.9
Module Torque Constant	N.m/A	3.3
Motor Phase Resistance	Ω	0.12
Motor Phase Inductance	mH	0.05
Pole Pair	—	20
3 Phase Connection	—	Y
Back Drive Torque	N.m	3.8
Backlash	Arcmin	10
Output Bearing Type	—	Crossed Roller Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	5
Inertia	Kg.cm ²	12.9
Encoder Type & Interface	—	Dual Encoder ABS-17BIT (Input) /17BIT (Output)
Control Accuracy	Degree	<0.01
Communication	—	485 / EtherCAT / CAN BUS
Weight	Kg	2.4
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X12-320	150	13	10	37.5
	200	5	8	49.5
	250	7	7	61.5
	300	43	3	75.3

X12-320 Interface Description



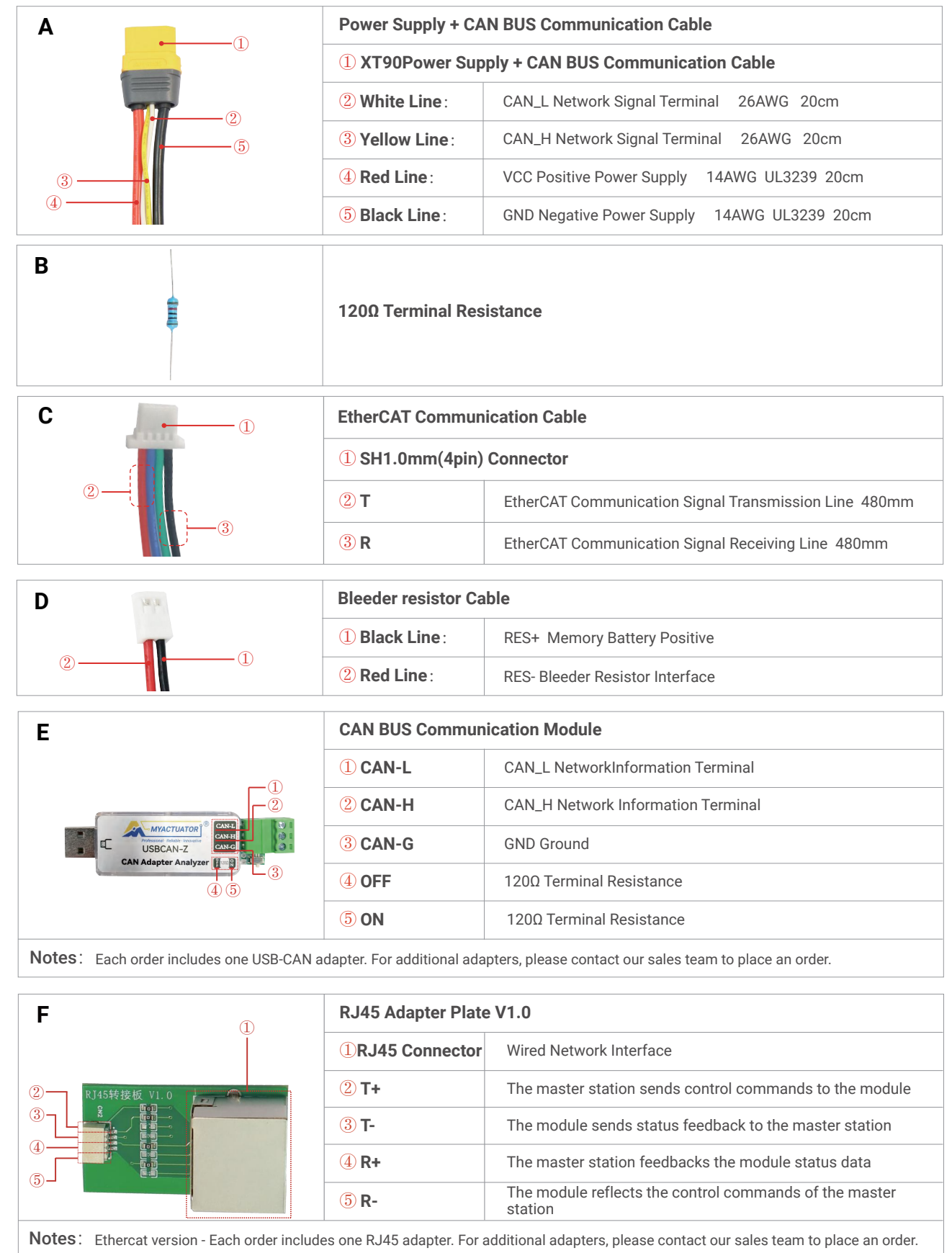
X12-320 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *2
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. Bleeder resistor Cable *1
- E. CAN BUS Communication Module *1
- F. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

X12-320 Accessories Marking Instructions



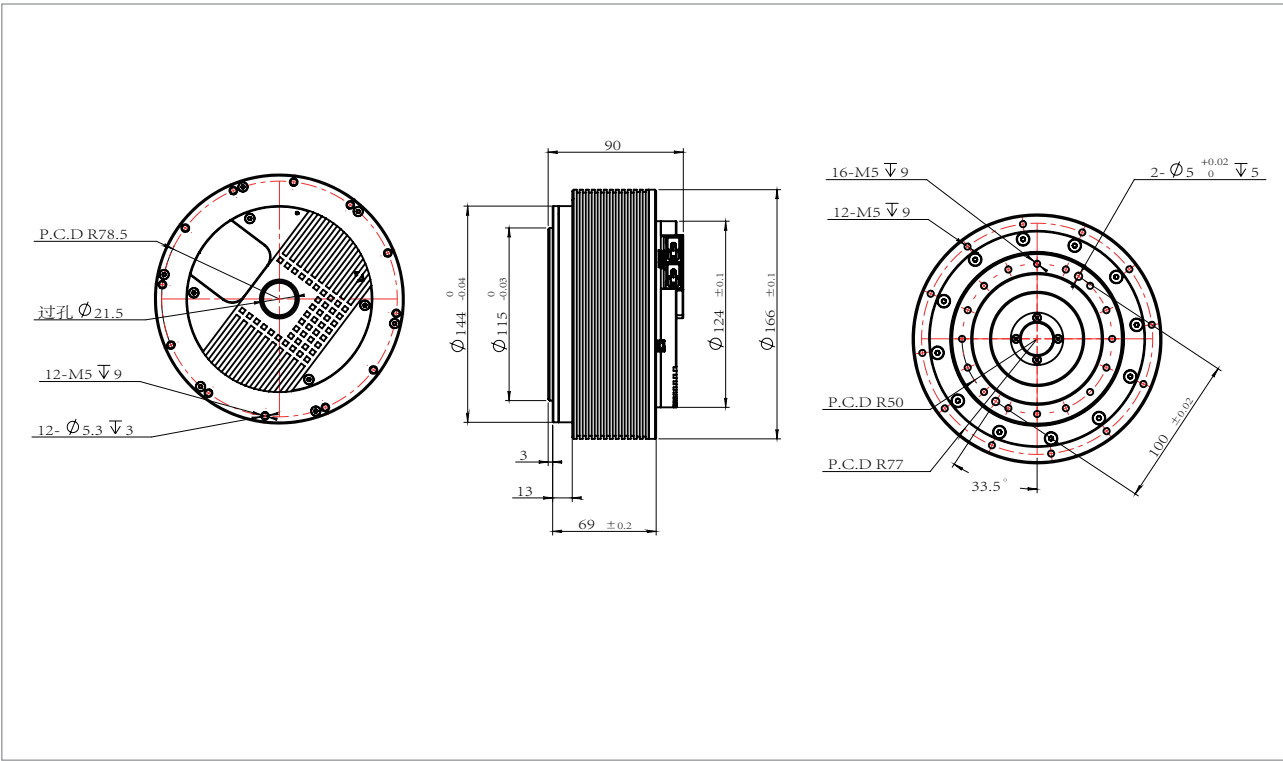
Series Name
RMD-X
Motor Simplified Name
X15-450



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X15-P20-450-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



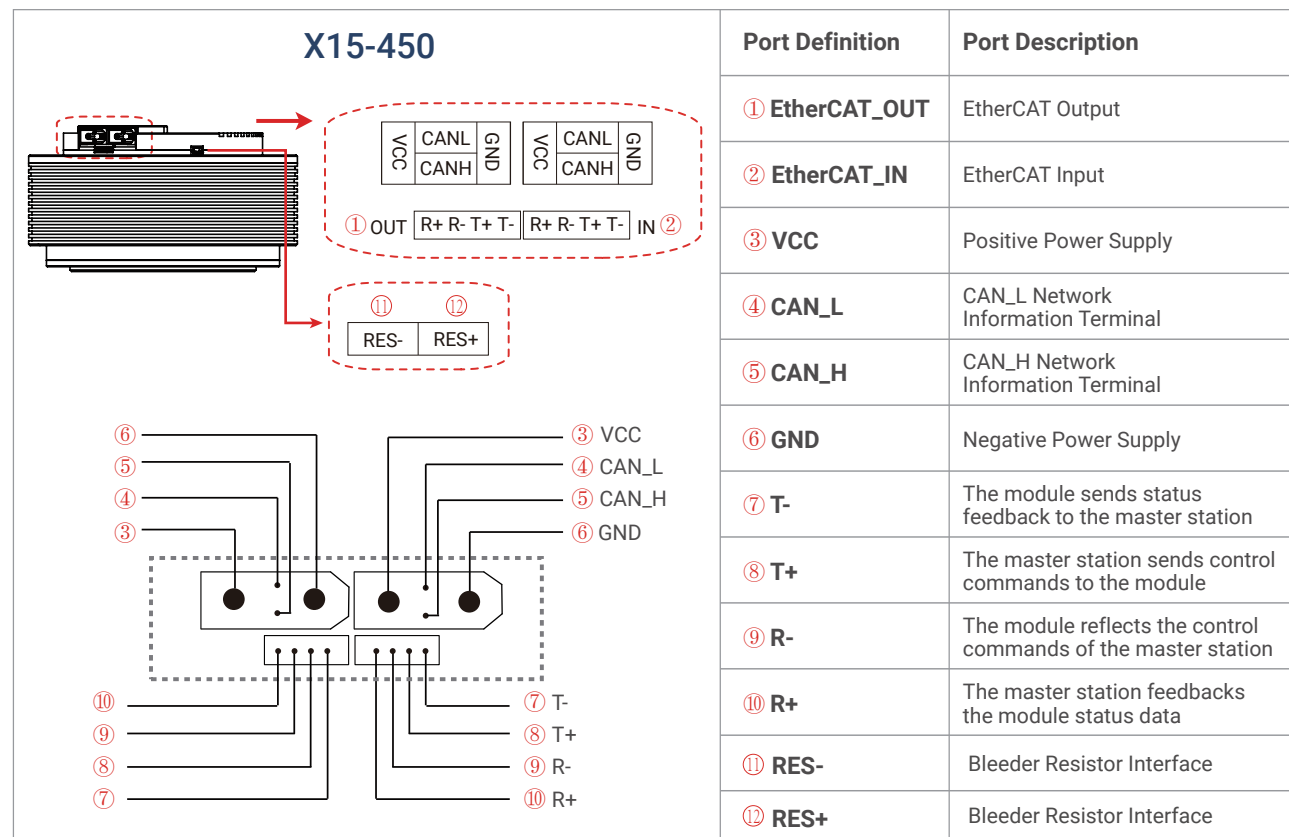
Product Parameters

Parameters	Unit	X15-450
Gear Ratio	—	20.25
Input Voltage	V	72
No Load Speed	RPM	108
No-Load Input Current	A	3.5
Rated Speed	RPM	98
Rated Torque	N.m	145
Rated Output Power	W	1480
Rated Phase Current	A(rms)	25
Peak Torque	N.m	450
Peak Phase Current	A(rms)	69.2
Efficiency	%	82.4
Motor Back-EMF Constant	Vdc/Krpm	29.9
Module Torque Constant	N.m/A	5.8
Motor Phase Resistance	Ω	0.08
Motor Phase Inductance	mH	0.14
Pole Pair	—	20
3 Phase Connection	—	Y
Back Drive Torque	N.m	4
Backlash	Arcmin	10
Output Bearing Type	—	Crossed Roller Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	6
Inertia	Kg.cm ²	31.6
Encoder Type & Interface	—	Dual Encoder ABS-17BIT (Input) / 17BIT (Output)
Control Accuracy	Degree	<0.01
Communication	—	485 / EtherCAT / CAN BUS
Weight	Kg	3.50
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X15-450	217.5	15	15	31.1
	290	15	10	41
	362.5	20	8	51.6
	435	25	5	67.2

X15-450 Interface Description



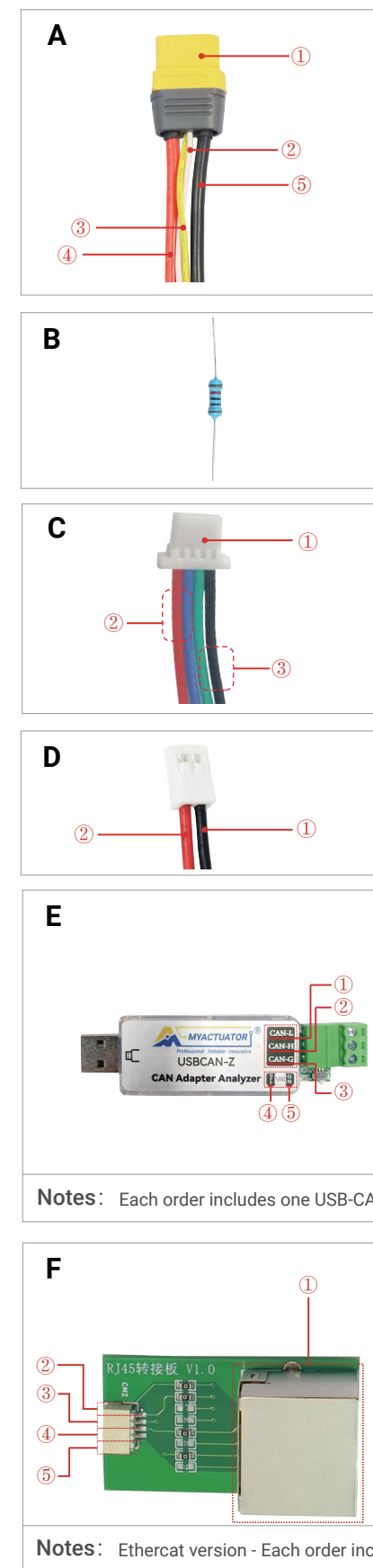
X15-450 Packaging Information



List:

- A. Power Supply + CAN BUS Communication Cable *2
- B. 120Ω Terminal Resistance *1
- C. EtherCAT Communication Cable *2
- D. Bleeder resistor Cable *1
- E. CAN BUS Communication Module *1
- F. RJ45 Adapter Plate V1.0 *1 (For Ethercat version)

X15-450 Accessories Marking Instructions



A

B

C

D

E

F

Power Supply + CAN BUS Communication Cable	
① XT90Power Supply + CAN BUS Communication Cable	
② White Line :	CAN_L Network Signal Terminal 26AWG 20cm
③ Yellow Line :	CAN_H Network Signal Terminal 26AWG 20cm
④ Red Line :	VCC Positive Power Supply 14AWG UL3239 20cm
⑤ Black Line :	GND Negative Power Supply 14AWG UL3239 20cm

120Ω Terminal Resistance	
① 120Ω Terminal Resistance	

EtherCAT Communication Cable	
① SH1.0mm(4pin) Connector	
② T	EtherCAT Communication Signal Transmission Line 480mm
③ R	EtherCAT Communication Signal Receiving Line 480mm

Bleeder resistor Cable	
① Black Line :	RES+ Memory Battery Positive
② Red Line :	RES- Bleeder Resistor Interface

CAN BUS Communication Module	
① CAN-L	CAN_L NetworkInformation Terminal
② CAN-H	CAN_H Network Information Terminal
③ CAN-G	GND Ground
④ OFF	120Ω Terminal Resistance
⑤ ON	120Ω Terminal Resistance

RJ45 Adapter Plate V1.0	
① RJ45 Connector	Wired Network Interface
② T+	The master station sends control commands to the module
③ T-	The module sends status feedback to the master station
④ R+	The master station feedbacks the module status data
⑤ R-	The module reflects the control commands of the master station

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Notes: Ethercat version - Each order includes one RJ45 adapter. For additional adapters, please contact our sales team to place an order.