

OPTION *Brake*

CE



Fast Accurate Smooth Motion

OPTION Brake

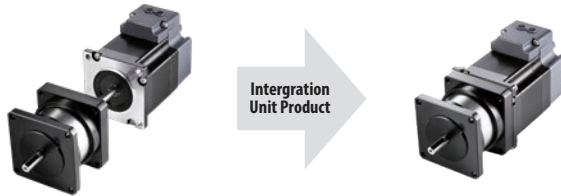


Overall Table of Brake

Name of Product	Motor Brake Size		
	42 mm	56 mm	60 mm
Ezi-SERVO CC-Link IE TSN			
Ezi-SERVO CC-Link IE TSN ALL			
Ezi-SERVO CC-Link IE TSN 4X			
Ezi-STEP CC-Link IE TSN			
Ezi-STEP CC-Link IE TSN ALL			
Ezi-STEP CC-Link IE TSN 4X			

High-Performance Motor with Integrated Brake

Ezi-SERVO BK series, FASTECH's new unit product, maximizes User's operational convenience with integration between Ezi-SERVO series of stepping motor and non-excitation electromagnetic brake that has big friction of brake torque and rapid brake timing.



Apply non-excitation electromagnetic Brake

Different from excitation type of brake that only generates braking-power by electromagnetic-power when power supplies at brake and loses brake power when power cutoff, Ezi-SERVO BK series adopts non-excitation electromagnetic brake that immediately generate friction of brake torque by inner spring's binding post-tensioning force once power cut off. So Ezi-SERVO BK series enables complete stopping of stepping motor and can forestall risks with brake's mechanical braking-power under emergency situation as like sudden blackout in machine operation.

Automatic Braking during power cutoff or blackout

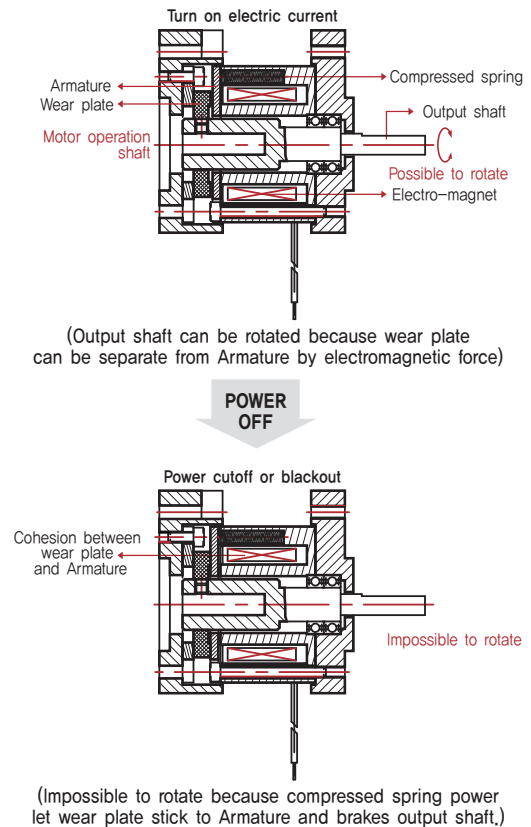
Ezi-SERVO BK series, Unit product, integrated between high performance of non-excitation electromagnetic brake and step motor that enables immediate braking to keep holding point and prevent falling under power cut off or blackout during operation so customer can be flexible in responding to sudden situation.

Long Durability

Brake integrated into Ezi-SERVO BK series applies long durability of brake wear plate(Brake Lining) so it guarantees high durability and long life cycle.

Rapid Brake Timing

Ezi-SERVO BK series, non-excitation electromagnetic brake, enables rapid braking because loaded spring closed brake can quicken rising of brake torque.



Specifications of Brake [42 mm]

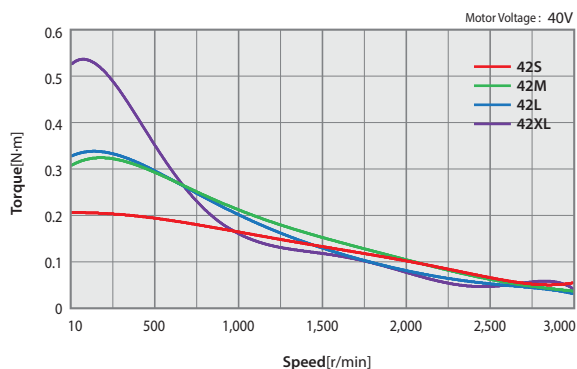
Applicable Model

Ezi-SERVO CC-Link IE TSN	Ezi-SERVO CC-Link IE TSN ALL	Ezi-SERVO CC-Link IE TSN 4X
Ezi-STEP CC-Link IE TSN	Ezi-STEP CC-Link IE TSN ALL	Ezi-STEP CC-Link IE TSN 4X

Model	Unit	42			
		42S	42M	42L	42XL
Electromagnetic Brake	-	Non-Excitation Type			
Input Voltage	V	24 V DC ± 10 %			
Rated Current	A	0.2			
Power Consumption	W	5			
Friction Torque	N·m	0.2			

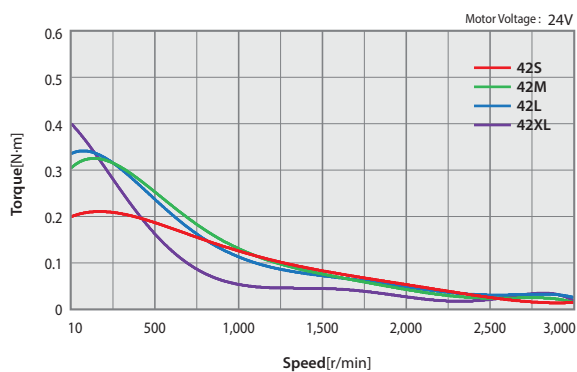
※ Electromagnetic brake will not be using for braking but for holding position when power-off.

Torque Characteristics of Motor with Brake [42 mm]



Applicable Model

Ezi-SERVO CC-Link IE TSN
Ezi-STEP CC-Link IE TSN



Applicable Model

Ezi-SERVO CC-Link IE TSN ALL
Ezi-SERVO CC-Link IE TSN 4X
Ezi-STEP CC-Link IE TSN ALL
Ezi-STEP CC-Link IE TSN 4X

※ The maximum supported speed of Ezi-SERVO CC-Link IE TSN ALL is 2,000 r/min.

Specifications of Brake [56 mm]

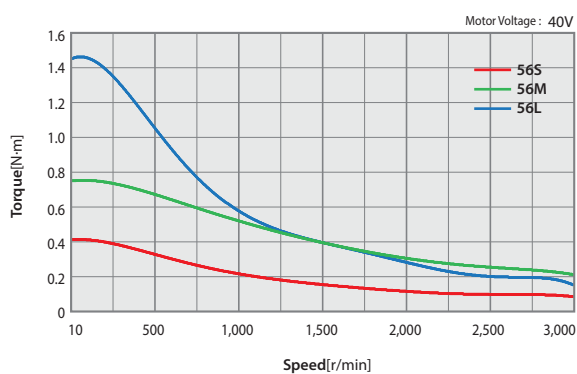
Applicable Model

Ezi-SERVO CC-Link IE TSN	Ezi-SERVO CC-Link IE TSN ALL	Ezi-SERVO CC-Link IE TSN 4X
Ezi-STEP CC-Link IE TSN	Ezi-STEP CC-Link IE TSN ALL	Ezi-STEP CC-Link IE TSN 4X

Model	Unit	56
		56S 56M 56L
Electromagnetic Brake	-	Non-Excitation Type
Input Voltage	V	24 V DC $\pm$ 10 %
Rated Current	A	0.27
Power Consumption	W	6.6
Friction Torque	N·m	0.7

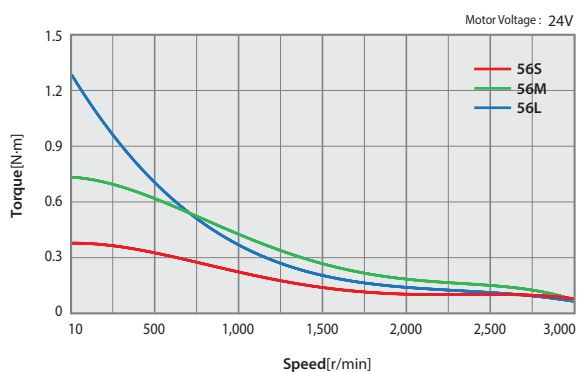
※ Electromagnetic brake will not be using for braking but for holding position when power-off.

Torque Characteristics of Motor with Brake [56 mm]



Applicable Model

Ezi-SERVO CC-Link IE TSN
Ezi-STEP CC-Link IE TSN



Applicable Model

Ezi-SERVO CC-Link IE TSN ALL
Ezi-SERVO CC-Link IE TSN 4X
Ezi-STEP CC-Link IE TSN ALL
Ezi-STEP CC-Link IE TSN 4X

※ The maximum supported speed of Ezi-SERVO CC-Link IE TSN ALL is 2,000 r/min.

Specifications of Brake [60 mm]

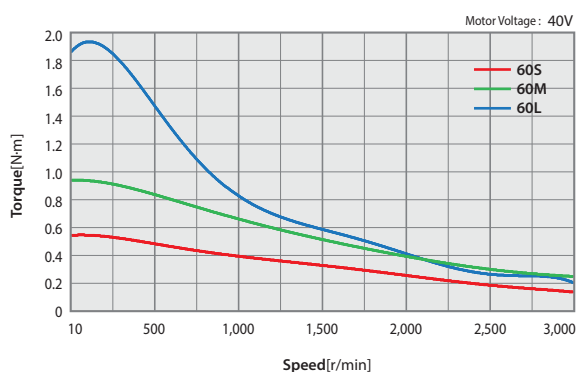
Applicable Model

Ezi-SERVO CC-Link IE TSN	Ezi-SERVO CC-Link IE TSN ALL	Ezi-SERVO CC-Link IE TSN 4X
Ezi-STEP CC-Link IE TSN	Ezi-STEP CC-Link IE TSN ALL	Ezi-STEP CC-Link IE TSN 4X

Model	Unit	60		
		60S	60M	60L
Electromagnetic Brake	-	Non-Excitation Type		
Input Voltage	V	24 V DC ± 10 %		
Rated Current	A	0.27		
Power Consumption	W	6.6		
Friction Torque	N·m	0.7		

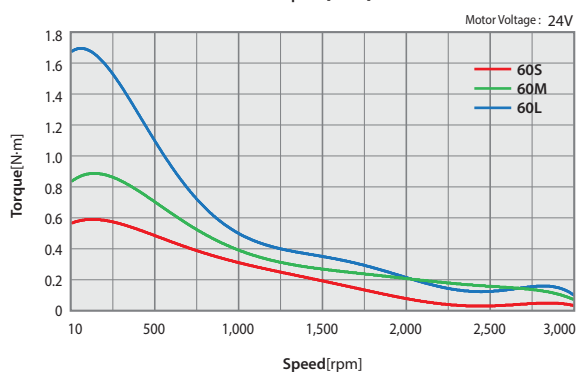
※ Electromagnetic brake will not be using for braking but for holding position when power-off.

Torque Characteristics of Motor with Brake [60 mm]



Applicable Model

Ezi-SERVO CC-Link IE TSN
Ezi-STEP CC-Link IE TSN



Applicable Model

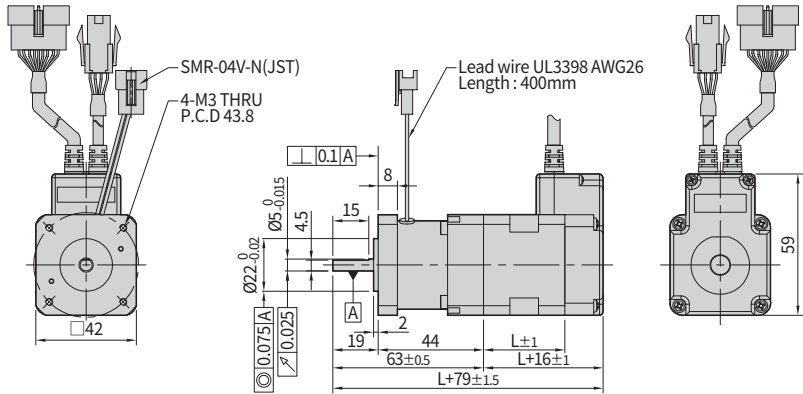
Ezi-SERVO CC-Link IE TSN ALL
Ezi-SERVO CC-Link IE TSN 4X
Ezi-STEP CC-Link IE TSN ALL
Ezi-STEP CC-Link IE TSN 4X

※ The maximum supported speed of Ezi-SERVO CC-Link IE TSN ALL is 2,000 r/min.

Dimensions of Motor with Brake [42 mm]

Applicable Model

Ezi-SERVO CC-Link IE TSN Ezi-SERVO CC-Link IE TSN 4X

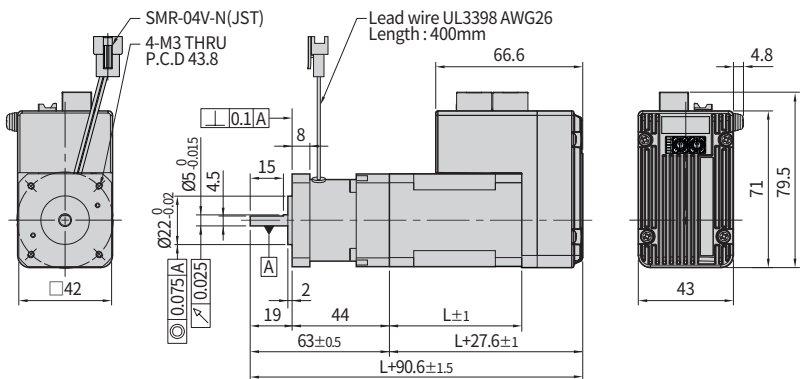


42 mm

Model Name	Length(L)
EzM-42S	34
EzM-42M	40
EzM-42L	48
EzM-42XL	60

Applicable Model

Ezi-SERVO CC-Link IE TSN ALL Ezi-STEP CC-Link IE TSN ALL

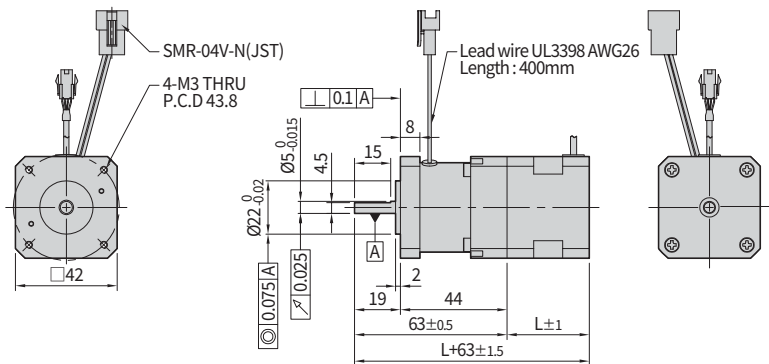


42 mm

Model Name	Length(L)
42M	40
42L	48
42XL	60

Applicable Model

Ezi-STEP CC-Link IE TSN Ezi-STEP CC-Link IE TSN 4X



42 mm

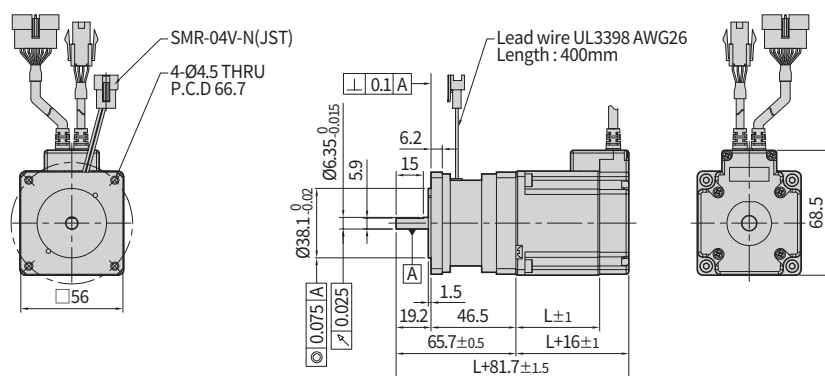
Model Name	Length(L)
BM-42S	34
BM-42M	40
BM-42L	48
BM-42XL	60

Dimensions of Motor with Brake [56 mm]

Applicable Model

Ezi-SERVO CC-Link IE TSN

Ezi-SERVO CC-Link IE TSN 4X



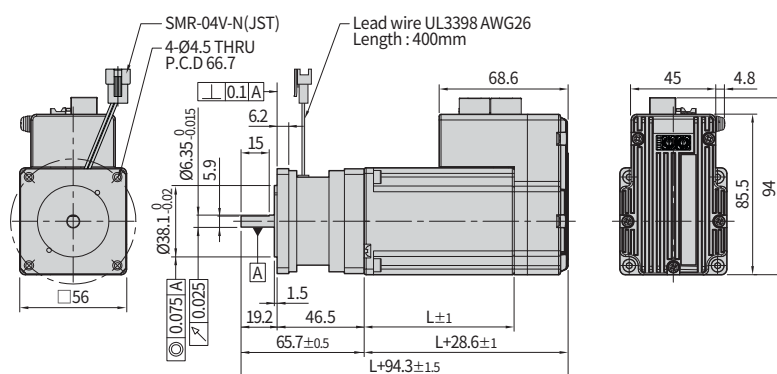
56 mm

Model Name	Length(L)
EzM2-56S	46
EzM2-56M	55
EzM2-56L	80

Applicable Model

Ezi-SERVO CC-Link IE TSN ALL

Ezi-STEP CC-Link IE TSN ALL



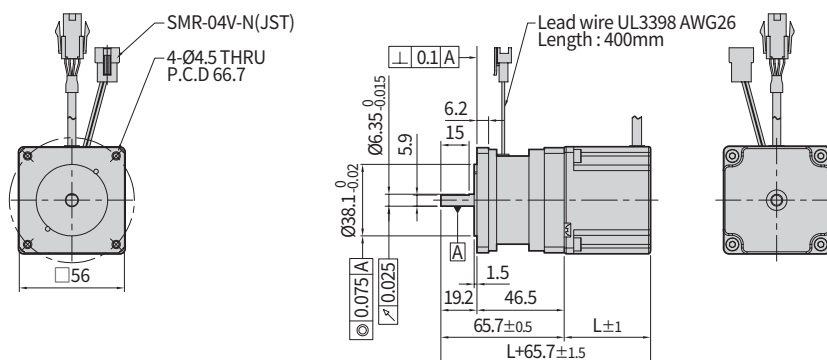
56 mm

Model Name	Length(L)
56S	46
56M	55
56L	80

Applicable Model

Ezi-STEP CC-Link IE TSN

Ezi-STEP CC-Link IE TSN 4X



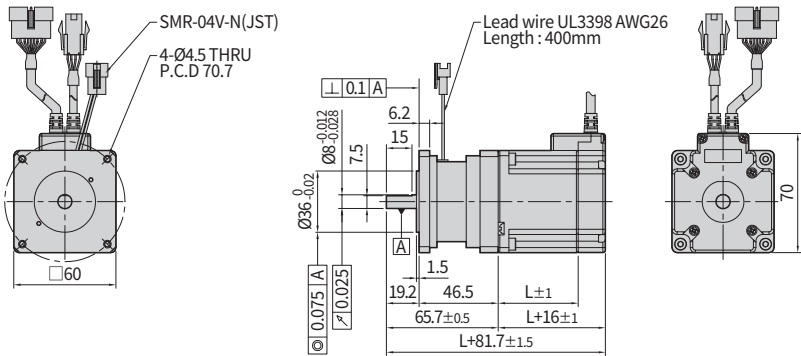
56 mm

Model Name	Length(L)
BM-56S	46
BM-56M	55
BM-56L	80

Dimensions of Motor with Brake [60 mm]

Applicable Model

Ezi-SERVO CC-Link IE TSN Ezi-SERVO CC-Link IE TSN 4X

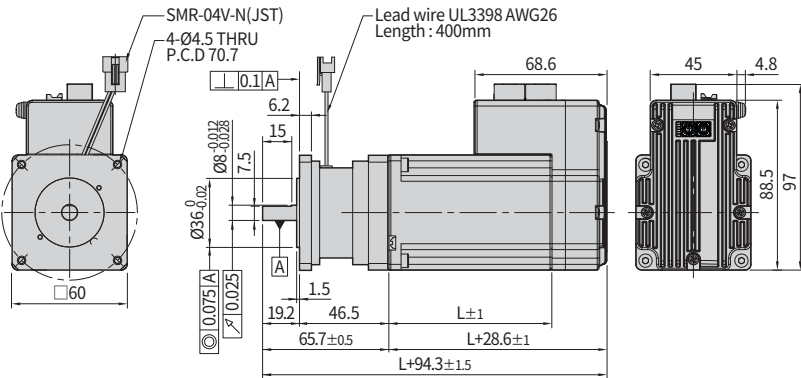


60 mm

Model Name	Length(L)
EzM2-60S	47
EzM2-60M	56
EzM2-60L	85

Applicable Model

Ezi-SERVO CC-Link IE TSN ALL Ezi-STEP CC-Link IE TSN ALL

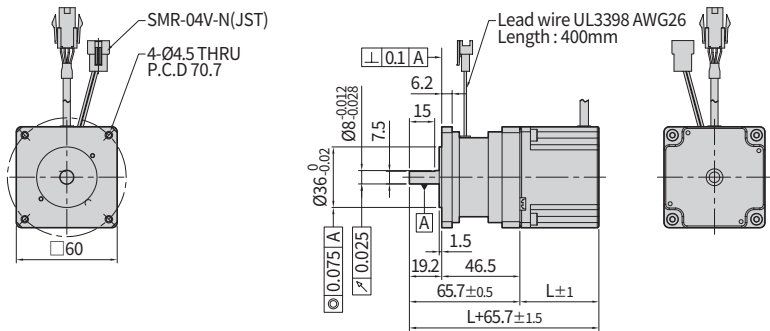


60 mm

Model Name	Length(L)
60S	47
60M	56
60L	85

Applicable Model

Ezi-STEP CC-Link IE TSN Ezi-STEP CC-Link IE TSN 4X

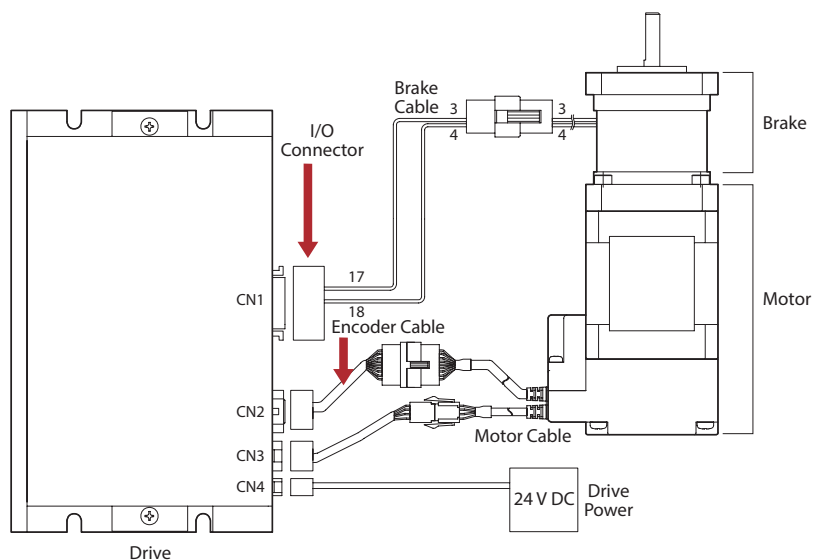


60 mm

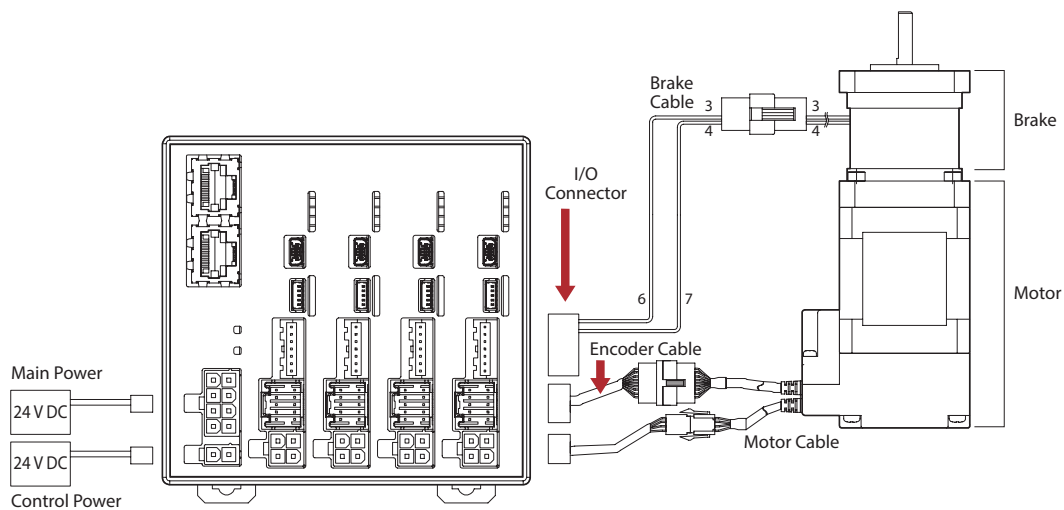
Model Name	Length(L)
BM-60S	47
BM-60M	56
BM-60L	85

Electrical Brake and Power Connection

Ezi-SERVO CC-Link IE TSN

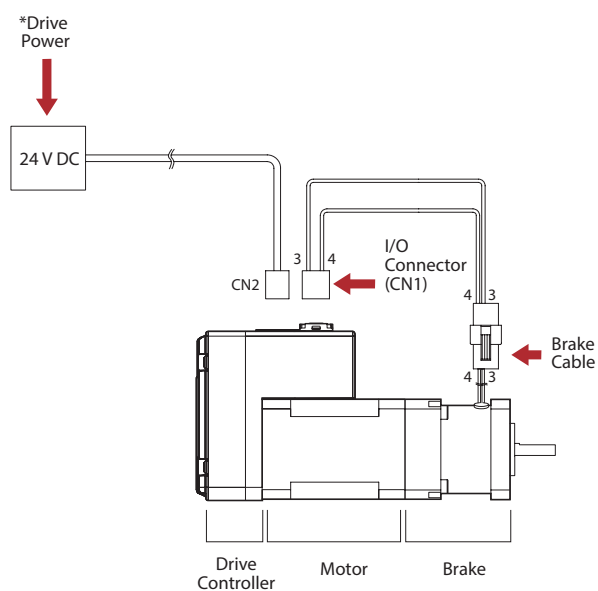


Ezi-SERVO CC-Link IE TSN 4X



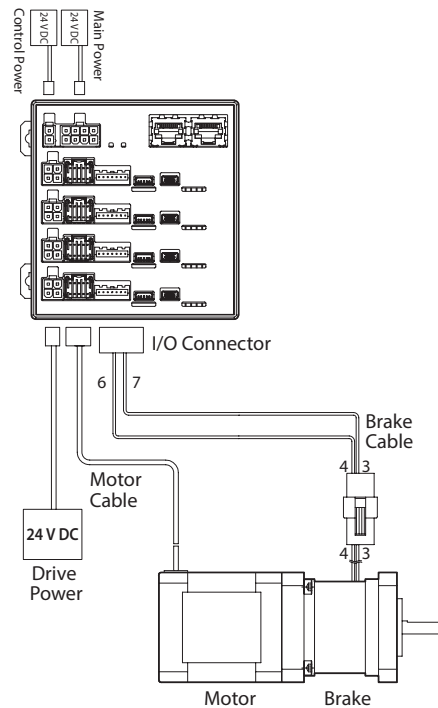
Electrical Brake and Power Connection

Ezi-SERVO CC-Link IE TSN ALL

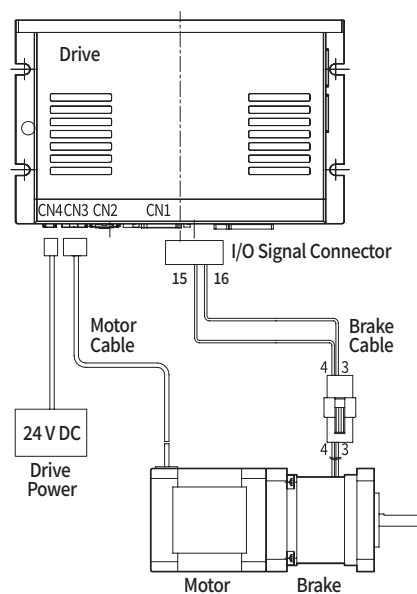


Electrical Brake and Power Connection

Ezi-STEP CC-Link IE TSN 4X

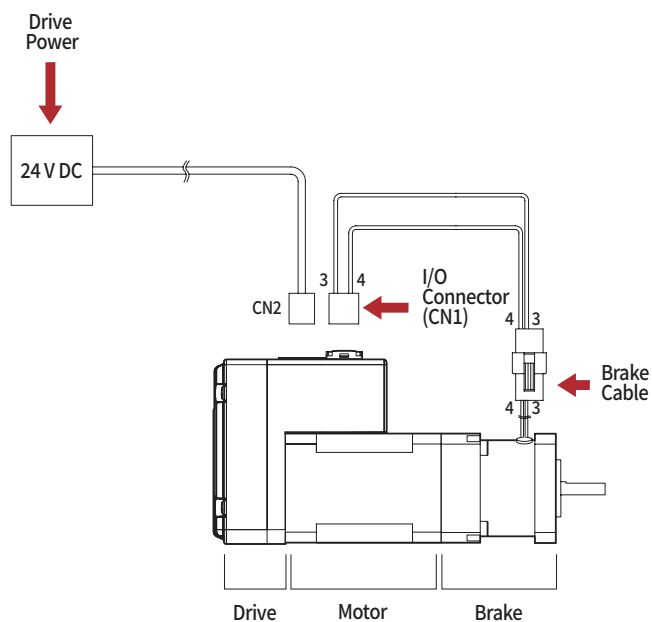


Ezi-STEP CC-Link IE TSN



Electrical Brake and Power Connection

Ezi-STEP CC-Link IE TSN ALL





Fast Accurate Smooth Motion

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