Ezi-STEP® CC-Link IE TSN

Micro Stepping System

- CC-Link IE TSN-compatible Microstepper System
- CiA402 Drive Profile
- Torque-Off Function
- Software Damping (Resonance & Vibration Suppression)
- High Torque



FASTECH

Fast Accurate Smooth Motion

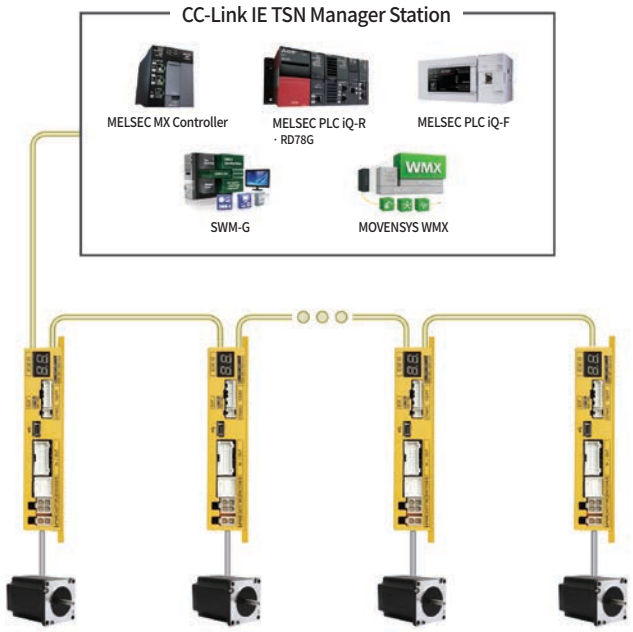
Ezi-STEP® CC-Link IE TSN

Micro Stepping System



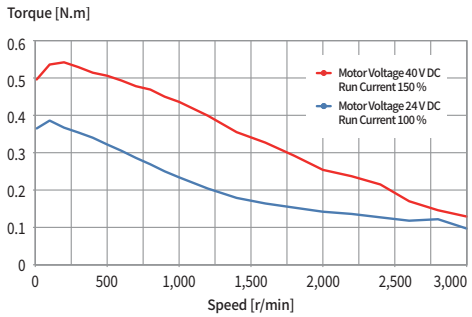
CC-Link IE TSN-compatible Motion Control

Ezi-STEP CC-Link TSN is stepper motor control system that supports CC-Link IE TSN, an industrial network based on high-speed Ethernet (1 Gbps, full-duplex communication). Ezi-STEP CC-Link IE TSN employs CiA402 drive profile and supports Cyclic Synchronous Position Mode (CSP Mode), Profile Position Mode (PP Mode) and Homing Mode (HM Mode).



High Torque

Ezi-STEP features an internal voltage boosting circuit that increases the motor supply voltage above the drive's input voltage. This elevated motor voltage enhances torque at high speeds and allows the run current to be set up to 150 %. As a result, torque is also improved at low speeds. Ezi-STEP can achieve approximately 30 % torque improvement across the entire speed range.



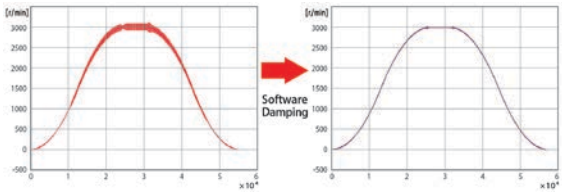
※Torque is improved by approximately 30% at both low and high speeds.
Measurement Condition: Drive = Ezi-STEP-CT-42L
· Motor Voltage = 40 V DC
· Input Voltage = 24 V DC

Microstep and Filtering

Ezi-STEP adopts a microstepping drive method, allowing the basic step angle of 1.8° to be subdivided up to 1/250 (0.0072°) for high-precision control. Unlike conventional drives, it performs PWM control every 50 µs, enabling enhanced current control for even more precise motion.
In addition, Ezi-STEP incorporates filtering control technology, ensuring smooth operation even at very low speeds.

Software Damping

Motor vibration is created by magnetic flux variations of the motor, lower current from the drive due to back-emf from the motor at high speeds and lowering of phase voltages from the drive.
Ezi-STEP drive detects these problems and the MCU adjusts the phase of the current according to the pole position of the motor, drastically suppressing vibration. This allows the smooth operation of the motor at high speeds.

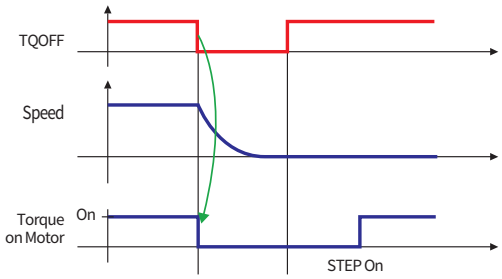


Software Damping OFF **Software Damping ON**

※ This is real measured speed that using 100,000 P/R encoder.

Torque-Off Function

Ezi-STEP CC-Link IE TSN has an input connector(TQOFF) that can cut off the motor power through an external hardware signal, regardless of CC-Link IE TSN communication.
When the TQOFF signal is detected, the drive immediately becomes 'STEP Off', and the motor stops.



CAUTION

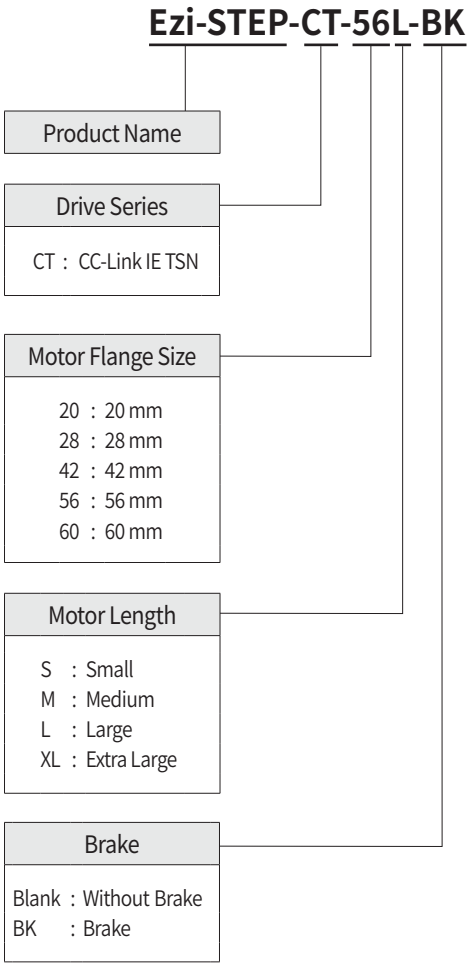
DO NOT use the Torque-Off function to stop or decelerate motors.

Improved high-speed operation performance

Depending on the speed of a stepper motor, Ezi-STEP automatically increases the supply voltage and prevents the torque lowering due to the low operating voltage to the motor caused by back-emf voltage, this enables high-speed operation. Additionally, the software damping algorithm minimizes the vibration and prevents the loss-of-synchronization at high speed.

※ Applicable model : Ezi-STEP-CT-42 Series
Ezi-STEP-CT-56 Series
Ezi-STEP-CT-60 Series

Ezi-STEP CC-Link IE TSN Part Numbering



Standard Combination

Unit Part Number	Motor Model Number	Drive Model Number
Ezi-STEP-CT-20M	BM-20M	EzT2-CT-20M
Ezi-STEP-CT-20L	BM-20L	EzT2-CT-20L
Ezi-STEP-CT-28S	BM-28S	EzT2-CT-28S
Ezi-STEP-CT-28M	BM-28M	EzT2-CT-28M
Ezi-STEP-CT-28L	BM-28L	EzT2-CT-28L
Ezi-STEP-CT-42S	BM-42S	EzT2-CT-42S
Ezi-STEP-CT-42M	BM-42M	EzT2-CT-42M
Ezi-STEP-CT-42L	BM-42L	EzT2-CT-42L
Ezi-STEP-CT-42XL	BM-42XL	EzT2-CT-42XL
Ezi-STEP-CT-56S	BM-56S	EzT2-CT-56S
Ezi-STEP-CT-56M	BM-56M	EzT2-CT-56M
Ezi-STEP-CT-56L	BM-56L	EzT2-CT-56L
Ezi-STEP-CT-60S	BM-60S	EzT2-CT-60S
Ezi-STEP-CT-60M	BM-60M	EzT2-CT-60M
Ezi-STEP-CT-60L	BM-60L	EzT2-CT-60L

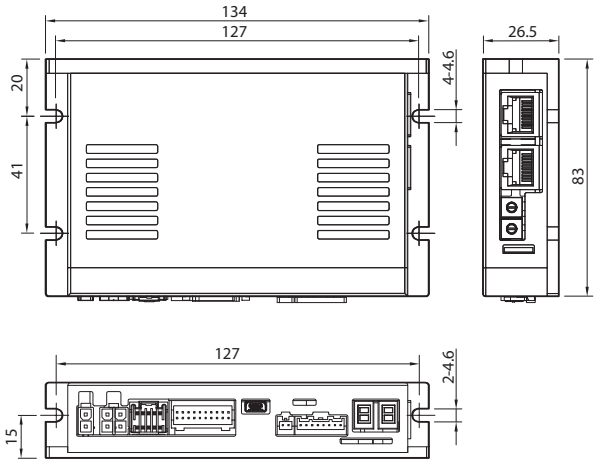
Combination with Brake

Unit Part Number	Motor Model Number	Drive Model Number
Ezi-STEP-CT-42S-BK	BM-42S-BK	EzT2-CT-42S
Ezi-STEP-CT-42M-BK	BM-42M-BK	EzT2-CT-42M
Ezi-STEP-CT-42L-BK	BM-42L-BK	EzT2-CT-42L
Ezi-STEP-CT-42XL-BK	BM-42XL-BK	EzT2-CT-42XL
Ezi-STEP-CT-56S-BK	BM-56S-BK	EzT2-CT-56S
Ezi-STEP-CT-56M-BK	BM-56M-BK	EzT2-CT-56M
Ezi-STEP-CT-56L-BK	BM-56L-BK	EzT2-CT-56L
Ezi-STEP-CT-60S-BK	BM-60S-BK	EzT2-CT-60S
Ezi-STEP-CT-60M-BK	BM-60M-BK	EzT2-CT-60M
Ezi-STEP-CT-60L-BK	BM-60L-BK	EzT2-CT-60L

Specifications of Drive

Motor Model		BM-20 Series	BM-28 Series	BM-42 Series	BM-56 Series	BM-60 Series
Drive Model		EzT2-CT-20 Series	EzT2-CT-28 Series	EzT2-CT-42 Series	EzT2-CT-56 Series	EzT2-CT-60 Series
Input Voltage		24 V DC ± 10 %				
Control Method		Bipolar PWM drive with 32 bit MCU				
Current Consumption		Max. 500 mA (Except motor current)				
Operating Condition	Ambient Temperature	· In Use: 0 ~ 50 °C · In Storage: -20 ~ 70 °C				
	Humidity	· In Use: 35 ~ 85 % RH (Non-Condensing) · In Storage: 10 ~ 90 % RH (Non-Condensing)				
	Vib. Resist.	0.5 g				
Function	Rotation Speed	0 ~ 3,000 r/min				
	Resolution	Configurable Resolution [P/R] 500 1,000 1,600 2,000 3,200 3,600 4,000 5,000 6,400 8,000 10,000 20,000 25,000 36,000 40,000 50,000 (Selectable by parameter)				
	Error Type	Over Current Error, Over Speed Error, Over Temperature Error, Over Regenerative Voltage Error, Motor Connection Error, ROM Error, Torque-Off Circuit Error				
	LED Display	Power status, Alarm status, Run status, STEP On status				
CC-Link IE TSN	Communication Protocol	CC-Link IE TSN Class B				
	Operation Mode	CiA402 Drive Profile: Cyclic Synchronous Position Mode(CSP), Profile Position Mode(PP), Homing Mode(HM)				
	Synchronization	Minimum Cycle Time: 250 µs / Synchronous Comm. (CSP, PP, HM) / Asynchronous Comm. (PP, HM)				
I/O Signal	Input Signals	3 dedicated inputs (LIMIT+, LIMIT-, ORIGIN), 6 user inputs (photocoupler inputs), 2 Torque-Off signal inputs (TQOFF)				
	Output Signals	5 user outputs (photocoupler outputs), 1 brake signal output, 1 Torque-Off status output (TQMON)				

Dimensions of Drive [mm]



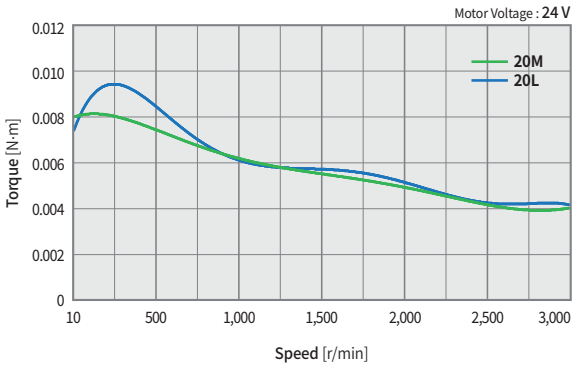
Specifications of Motor

Model				BM-20 Series		BM-28 Series			BM-42 Series			
			UNIT	20M	20L	28S	28M	28L	42S	42M	42L	42XL
Drive Method			-	Bipolar								
Number Of Phases			-	2 Phase								
Current per Phase			A/Phase	0.5	0.5	0.95	0.95	0.95	1.2	1.2	1.2	1.2
Maximum Holding Torque			N·m	0.016	0.025	0.069	0.098	0.118	0.32	0.44	0.5	0.65
Rotor Inertia			g·cm²	2.5	3.3	9.0	13	18	35	54	77	114
Motor Weight			kg	0.053	0.078	0.115	0.174	0.202	0.238	0.303	0.374	0.508
Length(L)			mm	28	38	32	45	50	34	40	48	60
Permissible Radial Load	Distance From End Of Shaft	3 mm	N	18	18	30	30	30	22	22	22	22
		8 mm		30	30	38	38	38	26	26	26	26
		13 mm		-	-	53	53	53	33	33	33	33
		18 mm		-	-	-	-	-	46	46	46	46
Permissible Axial Load			N	Must be less than the motor weight								
Insulation Resistance			MΩ	Min. 100 (When measured with a 500 V DC insulation resistance meter)								
Insulation Class			-	Class B (130 °C)								
Operating Temperature			°C	0 ~ 55								

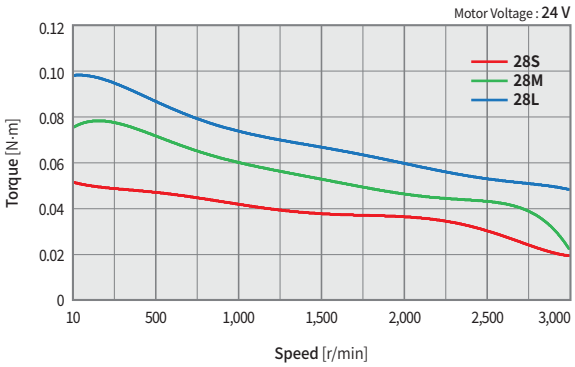
Model				BM-56 Series			BM-60 Series		
			UNIT	56S	56M	56L	60S	60M	60L
Drive Method			-	Bipolar					
Number Of Phases			-	2 Phase					
Current per Phase			A/Phase	3.0	3.0	3.0	4.0	4.0	4.0
Maximum Holding Torque			N·m	0.64	1.0	1.5	0.88	1.28	2.4
Rotor Inertia			g·cm²	180	280	520	240	490	690
Motor Weight			kg	0.548	0.726	1.159	0.616	0.793	1.349
Length(L)			mm	46	55	80	47	56	85
Permissible Radial Load	Distance From End Of Shaft	3 mm	N	52	52	52	70	70	70
		8 mm		65	65	65	87	87	87
		13 mm		85	85	85	114	114	114
		18 mm		123	123	123	165	165	165
Permissible Axial Load			N	Must be less than the motor weight					
Insulation Resistance			MΩ	Min. 100 (When measured with a 500 V DC insulation resistance meter)					
Insulation Class			-	Class B (130 °C)					
Operating Temperature			°C	0 ~ 55					

Torque Characteristics of Motor

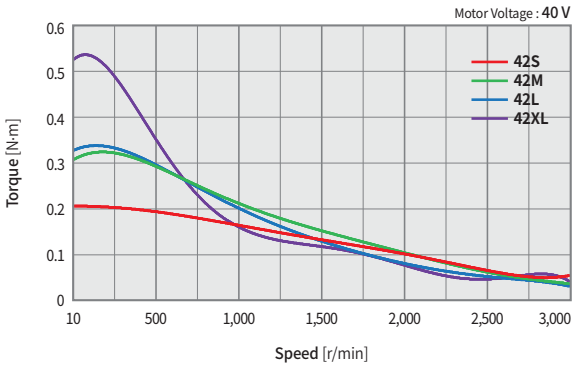
Ezi-STEP-CT-20 Series



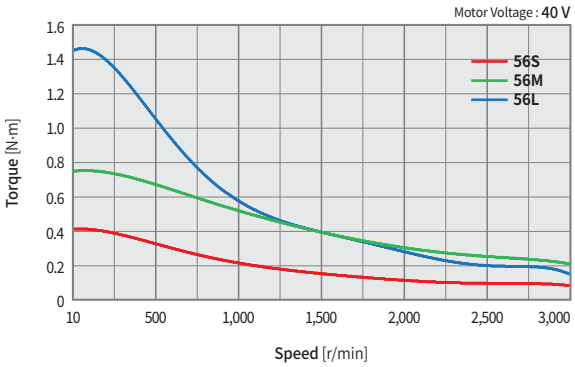
Ezi-STEP-CT-28 Series



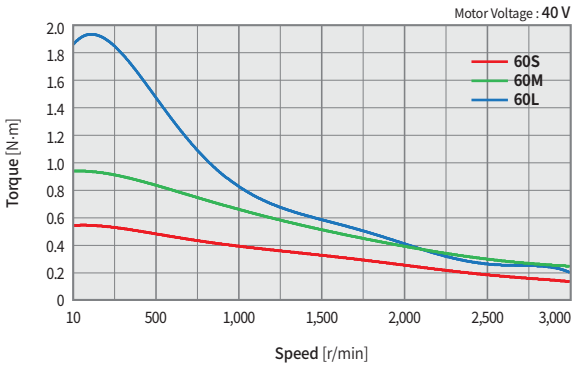
Ezi-STEP-CT-42 Series



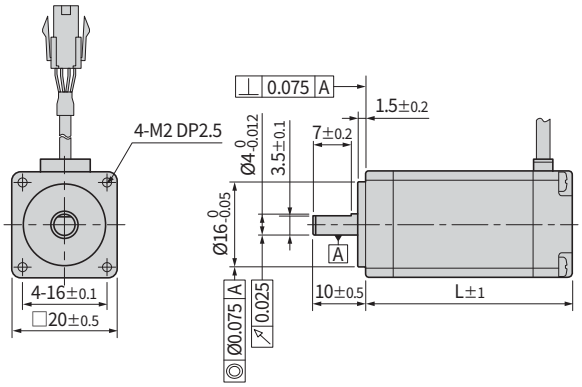
Ezi-STEP-CT-56 Series



Ezi-STEP-CT-60 Series

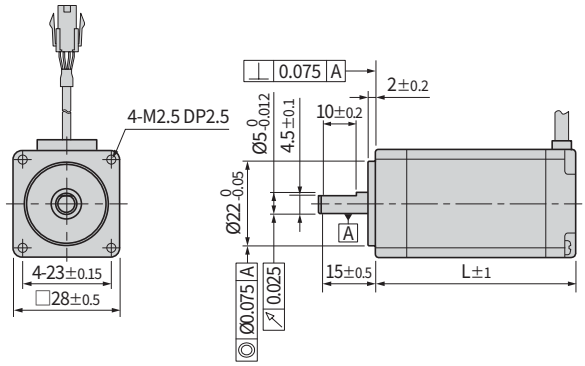


Dimensions of Motor [mm]



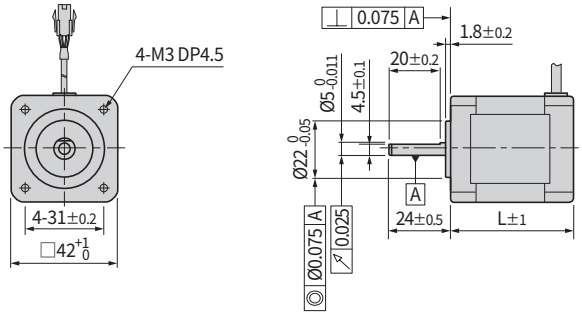
20 mm

Model Name	Length(L)
BM-20M	28
BM-20L	38



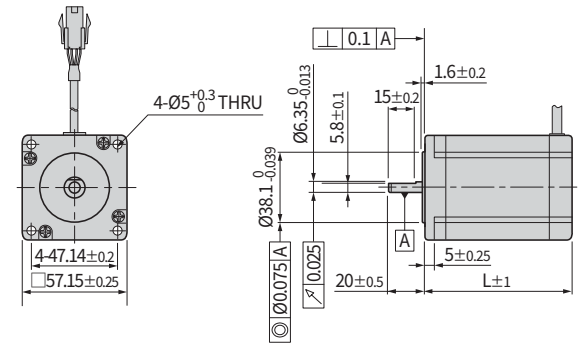
28 mm

Model Name	Length(L)
BM-28S	32
BM-28M	45
BM-28L	50



42 mm

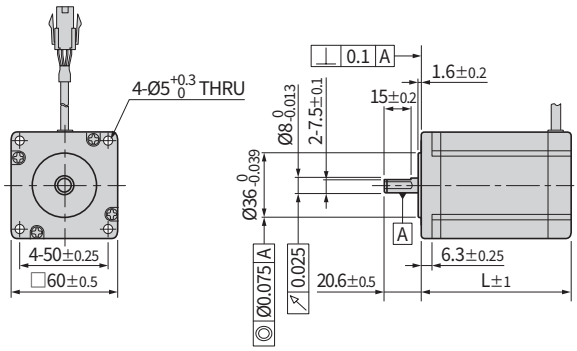
Model Name	Length(L)
BM-42S	34
BM-42M	40
BM-42L	48
BM-42XL	60



56 mm

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

Dimensions of Motor [mm]



60 *mm*

Model Name	Length(L)
BM-60S	467
BM-60M	56
BM-60L	85

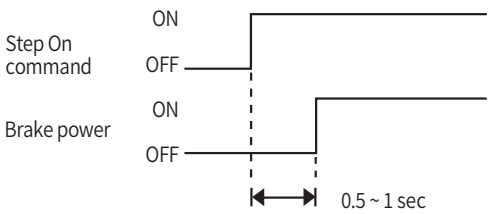
Specifications of Motor with Brake

Unit Part Number	Motor Model Number	Electromagnetic Brake					Motor Weight [kg]	Permissible Radial Load [N]				Permissible Axial Load [N]
		Type	Voltage Input [V]	Rated Current [A]	Power Consumption [W]	Static Friction Torque [N·m]		Distance from End of Shaft [mm]				
								3	8	13	18	
Ezi-STEP-CT-42S-BK	BM-42S-■-BK	Non-excitation run Series	24 V DC ± 10 %	0.2	5	0.2	0.500	22	26	33	46	Must be less than the motor weight
Ezi-STEP-CT-42M-BK	BM-42M-■-BK						0.560					
Ezi-STEP-CT-42L-BK	BM-42L-■-BK						0.630					
Ezi-STEP-CT-42XL-BK	BM-42XL-■-BK						0.770					
Ezi-STEP-CT-56S-BK	BM-56S-■-BK			0.27	6.6	0.7	0.970	52	65	85	123	
Ezi-STEP-CT-56M-BK	BM-56M-■-BK						1.150					
Ezi-STEP-CT-56L-BK	BM-56L-■-BK						1.580					
Ezi-STEP-CT-60S-BK	BM-60S-■-BK						1.060	70	87	114	165	
Ezi-STEP-CT-60M-BK	BM-60M-■-BK						1.230					
Ezi-STEP-CT-60L-BK	BM-60L-■-BK						1.790					

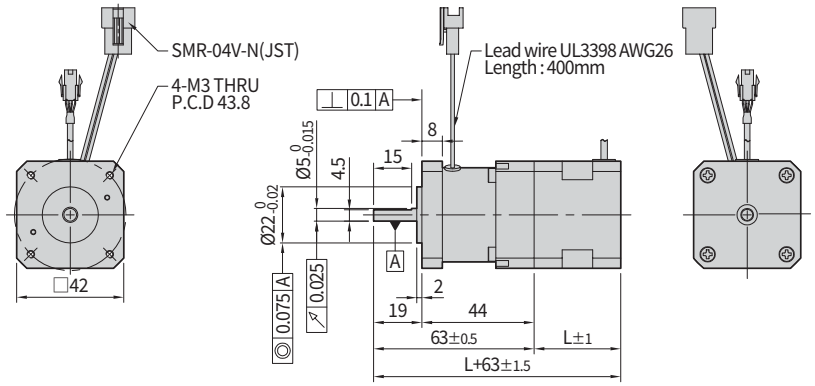
* Electronic Brake cannot be used for braking. Position hold purpose only when power OFF.
* The motor weight refers to the total weight of the motor, including the integrated electromagnetic brake.
* Motor Model Number is combined model name of Motor and Brake.
* Motor specification and torque characteristic are same as Standard Motor.

* Brake Operation Timing Chart

Ezi-STEP CC-Link IE TSN controls Brake by Drive automatically. Please refer to Timing Chart on the right when Brake is controlled by the upper controller other than using Ezi-STEP CC-Link IE TSN Brake control. Otherwise, Drive might malfunction and loads might fall down. Also, please do not operate Brake during motor operation to prevent damage.

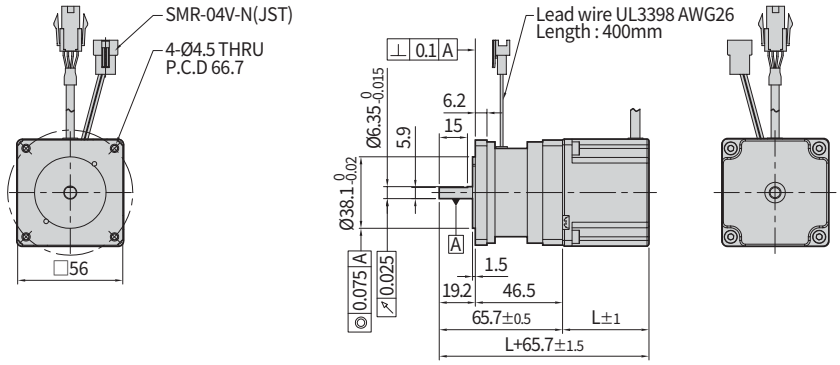


Dimensions of Motor with Brake [mm]



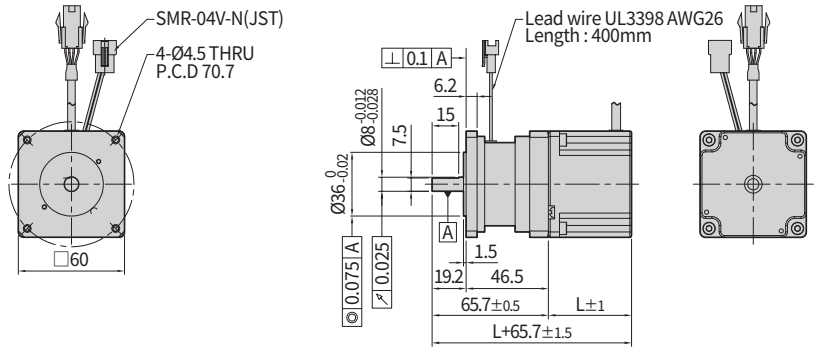
42 mm

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



56 mm

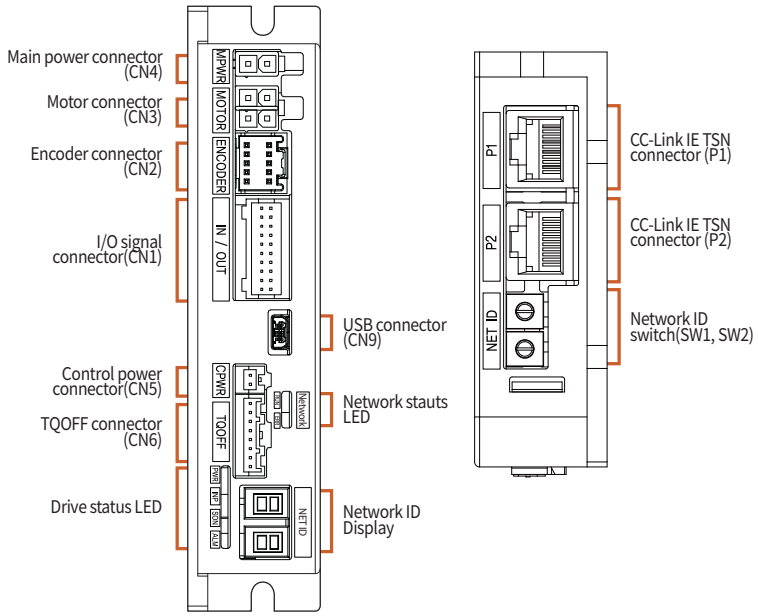
Model Name	Length(L)
BM-56S	46
BM-56M	55
BM-56L	80



60 mm

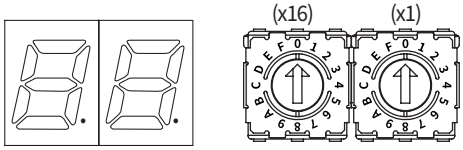
Model Name	Length(L)
BM-60S	47
BM-60M	56
BM-60L	85

Settings and Operation



1. Network ID Display and Switch (SW1, SW2)

These switches are used to configure the fourth octet of the IP address. The value is displayed on the 7-segment LED in hexadecimal format. SW1 sets the X16 digit, and SW2 sets the X1 digit.
(For more details, please refer to the relevant user manual.)

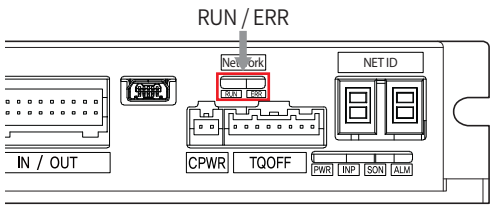


For example, if SW1 is set to 5 and SW2 is set to 7, the value is calculated as follows:
(5×16) + (7×1) = 87
Accordingly, the IP address is set to 192.168.0.87.

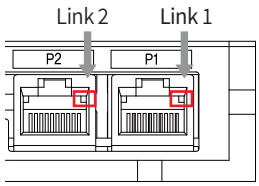
2. Network Status LED

These LEDs indicate the communication status of CC-Link IE TSN.
Link1/Link2 LEDs are located at the upper right corner of CC-Link IE TSN ports(P1, P2).

Indicator	Color	Status	Description
RUN	Green	OFF	Power off
		Single Flash	Not connected to master
		Double Flash	Pre-operational state
		Blinking	Safe-operational state
		Interval Off	Operational state



Indicator	Color	Status	Description
ERR	Red	OFF	No error or power off
		Blinking	Drive error
		Single Flash	CC-Link IE TSN communication error
		Double Flash	IP address conflict error



Indicator	Color	Status	Description
LINK1, LINK2	Green	OFF	Link inactive
		ON	Link active

3. Drive Status LED

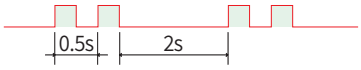
LED informs operation status of the drive.

Indicator	Color	Function	Description
PWR	Green	Power input Indicator	Lights up when power is supplied.
RUN	Yellow	Motor running Indicator	Lights up while the motor is running.
SON	Orange	STEP ON / OFF Indicator	Lights up when Step is On; turns off when Step is Off.
ALM	Red	Alarm Indicator	Blinks repeatedly when an error occurs.

List of error types by the the number of LED blinking

No.	Error Code*3	Error Type	Causes
1	E-001	Over Current Error	The current through power devices in drive exceeds the limit. *1
2	E-002	Over Speed Error	The motor speed exceeds 3,000 r/min
5	E-005	Over Temperature Error	Internal temperature of the drive exceeds 85 °C
6	E-006	Over Regenerative Voltage Error	Back-EMF is higher than limit value *2
7	E-007	Motor Connect Error	There is a problem with the connection between the drive and the motor
12	E-012	ROM Error	Error occurs in parameter storage device (ROM)
16	E-016	Torque-Off Circuit Error	Input states of TQOFF1 and TQOFF2 are different from each other.

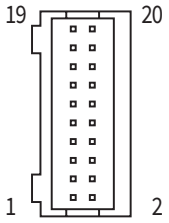
*1: Limit value depends on motor model. (Refer to the Manual)
*2: The default setting value is 180 °, and it can be changed by parameter. (Refer to the Manual)
*3: When an alarm occurs, error code is displayed on the 7-segment LED display instead of IP Address.
※ Please refer to user Manual for the details of protection functions.



Alarm LED flash (e.g., Over Speed Error)

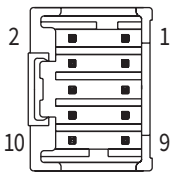
4. I/O Signal Connector (CN1)

No.	Function	I/O
1	LIMIT+	Input
2	LIMIT-	Input
3	ORIGIN	Input
4	Digital In1	Input
5	Digital In2	Input
6	Digital In3	Input
7	Digital In4	Input
8	Digital In5	Input
9	Digital In6	Input
10	Digital Out1	Output
11	Digital Out2	Output
12	Digital Out3	Output
13	Digital Out4	Output
14	Digital Out5	Output
15	BRAKE+	Output
16	BRAKE-	Output
17	EXT_GND	Input
18	EXT_24 V DC	Input
19	F.GND	----
20	F.GND	----



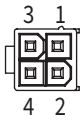
5. Encoder Connector(CN2)

No.	Function	I/O
1	A+	Input
2	A-	Input
3	B+	Input
4	B-	Input
5	Z+	Input
6	Z-	Input
7	5 V DC	Output
8	GND	Output
9	F.GND	----
10	F.GND	----



6. Motor Connector(CN3)

No.	Function	I/O
1	A Phase	Output
2	B Phase	Output
3	$\overline{A}$ Phase	Output
4	$\overline{B}$ Phase	Output



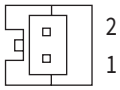
7. Main Power Connector(CN4)

No.	Function	I/O
1	24 V DC	Input
2	GND	Input



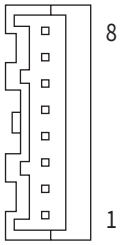
8. Control Power Connector(CN5)

No.	Function	I/O
1	24 V DC	Input
2	GND	Input



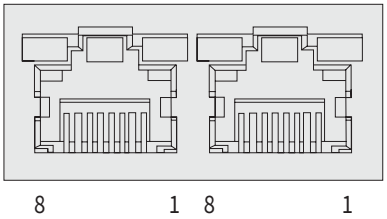
9. TQOFF Connector(CN6)

No.	Function	I/O
1	TQOFF1_P	Input
2	TQOFF1_N	Input
3	TQOFF2_P	Input
4	TQOFF2_N	Input
5	TQMON_P	Output
6	TQMON_N	Output
7	OVRTQ	Input
8	GND	Output

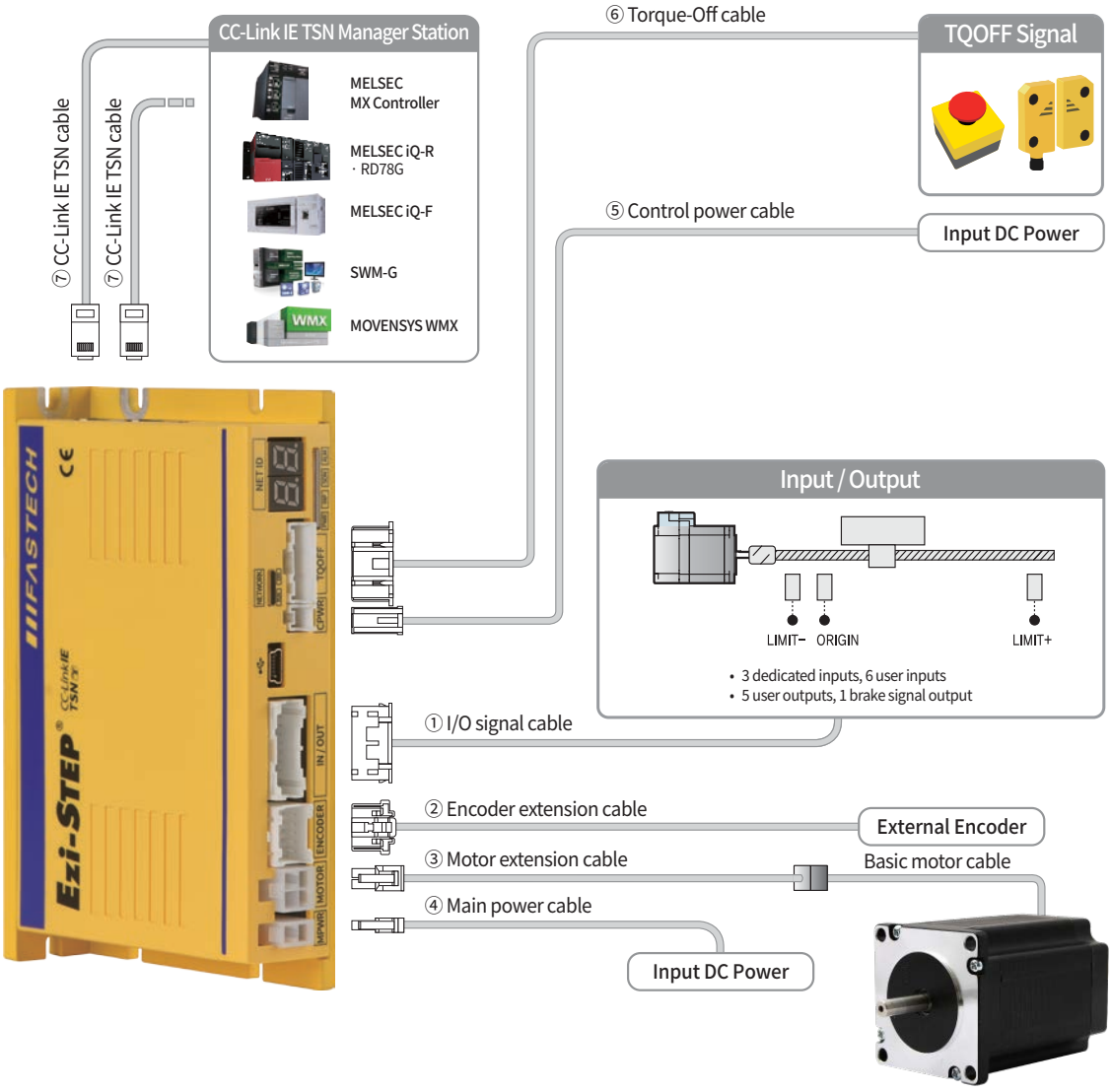


10. CC-Link IE TSN Connector(P1, P2)

No.	Function	No.	Function
1	DA+	6	DB-
2	DA-	7	DD+
3	DB+	8	DD-
4	DC+	Connector hood	F.GND
5	DC-		



System Configuration



Cable Type	Max. Cable Length	Remarks
① I/O Signal Cable	20 m	Options (Sold separately)
② Encoder Extension Cable	20 m	
③ Motor Extension Cable	20 m	
④ Main Power Cable	2 m	
⑤ Control Power Cable	2 m	
⑥ Torque-Off Cable	20 m	
⑦ CC-Link IE TSN Cable	100 m	
Motor Cable	0.3 m (Basic length)	Basic cables are attached to motors.

1. Accessories

Connectors

These are connector specifications for drive cabling.

Purpose		Item	Part Number	Manufacturer
I/O Signal (CN1)		Housing	PADP-20V-1-S	JST
		Terminal	SPH-002T-P0.5L	
Encoder	Drive Side (CN2)	Housing	51353-1000	MOLEX
		Terminal	56134-9000	
	Encoder Side	Housing	SMP-09V-NC	JST
		Terminal	SHF-001T-0.8BS	
Motor	Drive Side (CN3)	Housing	5557-04R	MOLEX
		Terminal	5556T	
	Motor Side	Housing	5557-04R	MOLEX
		Terminal	5556T	
Main Power (CN4)		Housing	5557-02R	MOLEX
		Terminal	5556T	
Control Power (CN5)		Housing	PAP-02V-S	JST
		Terminal	SPHD-001T-P0.5	
Torque-Off Signal (CN6)		Housing	PAP-08V-S	JST
		Terminal	SPHD-001T-P0.5 or SPHD-002T-P0.5	

※ The connectors above are supplied with the product. If you are using other parts, please make sure they meet the specifications.

2. Options

① I/O Signal Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN drive and other input / output devices.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - I/O Device Connection	CSVS-S-001F	1	Fixed Cable	Max. Cable Length: 20 m
	CSVS-S-002F	2		
	CSVS-S-003F	3		
	CSVS-S-005F	5		
	CSVS-S-001M	1	Flexible Cable	
	CSVS-S-002M	2		
	CSVS-S-003M	3		
	CSVS-S-005M	5		

* If you need cables with length(in units of 1 m) not listed on the table, please contact FASTECH for more information.

② Encoder Extension Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN drive and the encoder.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - External Encoder Connection	CTPR-E-001F	1	Fixed Cable	Max. Cable Length: 20 m
	CTPR-E-002F	2		
	CTPR-E-003F	3		
	CTPR-E-005F	5		
	CTPR-E-001M	1	Flexible Cable	
	CTPR-E-002M	2		
	CTPR-E-003M	3		
	CTPR-E-005M	5		

* If you need cables with length(in units of 1 m) not listed on the table, please contact FASTECH for more information.

③ Motor Extension Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN drive and the motor.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - Basic Motor Cable Connection	CSVO-M-001F	1	Fixed Cable	Max. Cable Length: 20 m
	CSVO-M-002F	2		
	CSVO-M-003F	3		
	CSVO-M-005F	5		
	CSVO-M-001M	1	Flexible Cable	
	CSVO-M-002M	2		
	CSVO-M-003M	3		
	CSVO-M-005M	5		

* If you need cables with length(in units of 1 m) not listed on the table, please contact FASTECH for more information.

④ Main Power Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN drive and the main power.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - Power Connection	CSVO-P-001F	1	Fixed Cable	Max. Cable Length: 2 m
	CSVO-P-002F	2		
	CSVO-P-001M	1	Flexible Cable	
	CSVO-P-002M	2		

⑤ Control Power Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN drive and the control power.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - Control Power Connection	CMNB-P-001F	1	Fixed Cable	Max. Cable Length: 2 m
	CMNB-P-002F	2		
	CMNB-P-001M	1	Flexible Cable	
	CMNB-P-002M	2		

⑥ Torque-Off Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN drive and sensors or switches for Torque-Off signal.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - Torque-Off Signal Connection	CSVT-S-001F	1	Fixed Cable	Max. Cable Length: 20 m
	CSVT-S-002F	2		
	CSVT-S-003F	3		
	CSVT-S-005F	5		
	CSVT-S-001M	1	Flexible Cable	
	CSVT-S-002M	2		
	CSVT-S-003M	3		
	CSVT-S-005M	5		

* If you need cables with length(in units of 1 m) not listed on the table, please contact FASTECH for more information.

⑦ CC-Link IE TSN Cable

Purpose	Part Number	Length [m]	Remarks
CC-Link IE TSN Connection	CGNR-EC-001F	1	• STP(Shielded Twisted Pair) cable • Category 5e higher • Max. Cable Length: 100 m • Fixed Cable
	CGNR-EC-002F	2	
	CGNR-EC-003F	3	
	CGNR-EC-005F	5	

* If you need cables with length(in units of 1m) not listed on the table or robot cables, please contact FASTECH for more information.

[Option] TB-Plus Interface Board

This is an interface board to connect Ezi-STEP CC-Link IE TSN drive and I/O signals more conveniently.

Purpose	Part Number	Product Image
Interface Board between Drive and I/O Signals	TB-Plus	

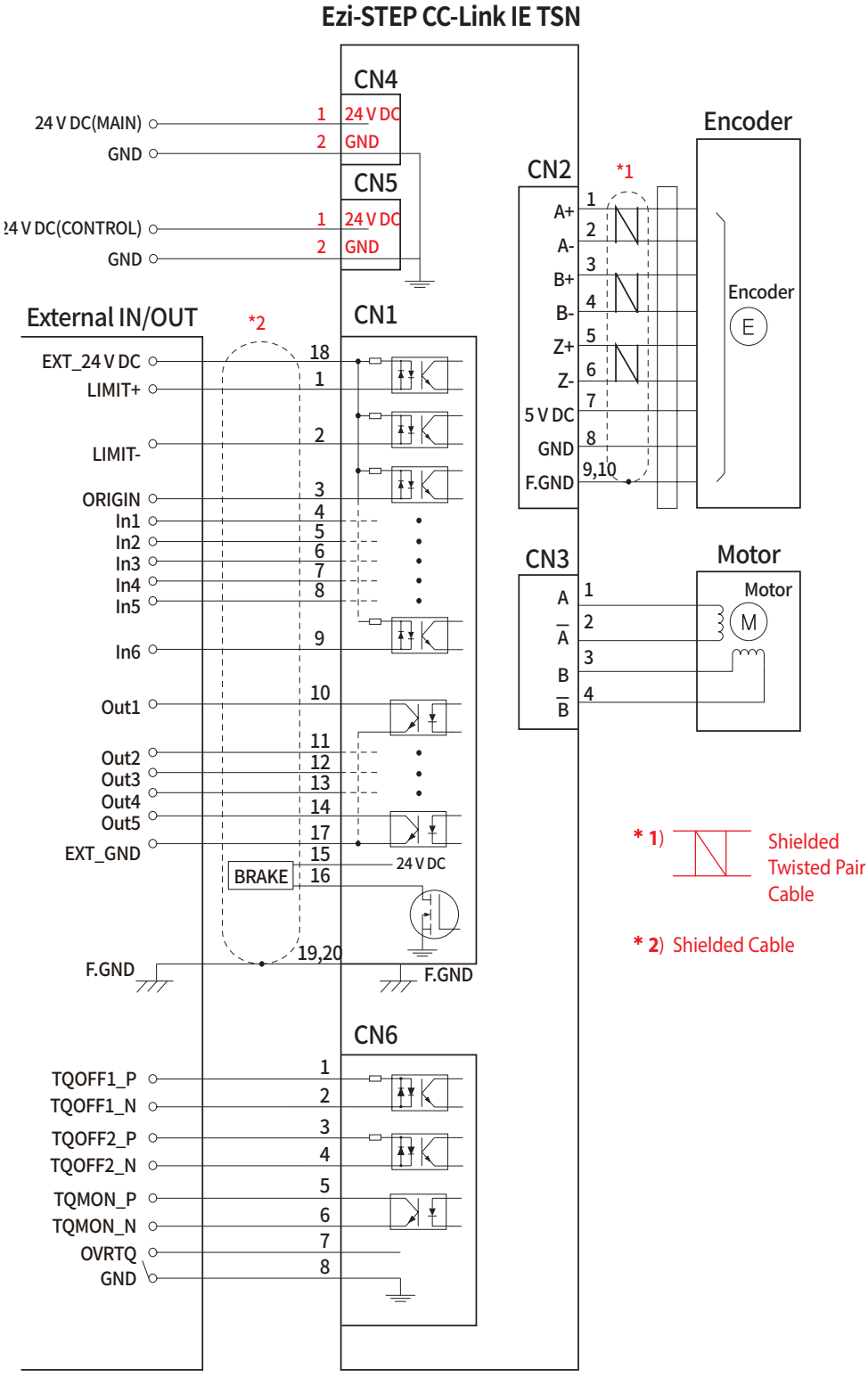
[Option] TB-Plus Interface Cable

These are the cables to connect Ezi-STEP CC-Link IE TSN and TB-Plus interface board.

Purpose	Part Number	Length [m]	Cable Type	Remarks
Drive - Interface(TB-Plus) Connection	CIFT-S-001F	1	Fixed Cable	Max. Cable Length: 20 m
	CIFT-S-002F	2		
	CIFT-S-003F	3		
	CIFT-S-005F	5		
	CIFT-S-001M	1	Flexible Cable	
	CIFT-S-002M	2		
	CIFT-S-003M	3		
	CIFT-S-005M	5		

* If you need cables with length(in units of 1 m) not listed on the table, please contact FASTECH for more information.

External Wiring Diagram



※ When connecting the I/O cable between the drive and the master controller, be sure to turn off the power to both the master controller and the drive. Failure to do so may result in electric shock or product damage.

CAUTION

To ensure the safe and proper use of the products listed in this catalog, please be sure to read the user manual thoroughly before use.

MEMO

FASTECH

Fast Accurate Smooth Motion

FASTECH Co., Ltd.

FASTECH Headquarters : (Postal Code:14502) Rm#1201 ~ 1202, 401-dong, Bucheon Techno-Park, 655 Pyeongcheon-ro, Wonmi-gu, Bucheon-si, Gyeonggi-do, Republic of Korea
TEL : +82-32-234-6317 FAX : +82-32-234-6302 E-mail : sales@fastech-motions.com

FASTECH JAPAN : (〒 450-0001 Aichi) Nagoya, Nakamura Ward, Nagono, 1-Chome 47-1
Nagoya International Center Bldg. 18th Floor
TEL : +81-70-6588-5905 E-Mail : sales_japan@fastech-motions.com

Homepage : cltsn.fastech-motions.com/en | www.fastech-motions.com

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