

Cost effective Compact Convenient



Features

- Space saving, compact design
- Easily mounts to din rail track
- Easy to connect to a controller
- Three different types
(Screw type, Screwless type, Barrier Type)
- Compatible for different brand of PLC
and Servo amplifier



enKo

PLC and servo wiring system

Compact, Cost effective, Convenient

Features

1 Reduce Wiring Time

- Compared to the traditional method of wiring each point to the I/O, wiring is completed in a fraction of time when using terminal block
- Cut your plc wiring time from hours down to minutes with Enko terminal block and connection cables

2 Reduce Wiring Error

- Wiring system cable are pre-tested to ensure 100% accurate connections
- No more crossed wires and loose connections between the I/O module and the terminal block
- Cables are snapped, no need to find the wrong or loose connection



3 Increase volume and productivity

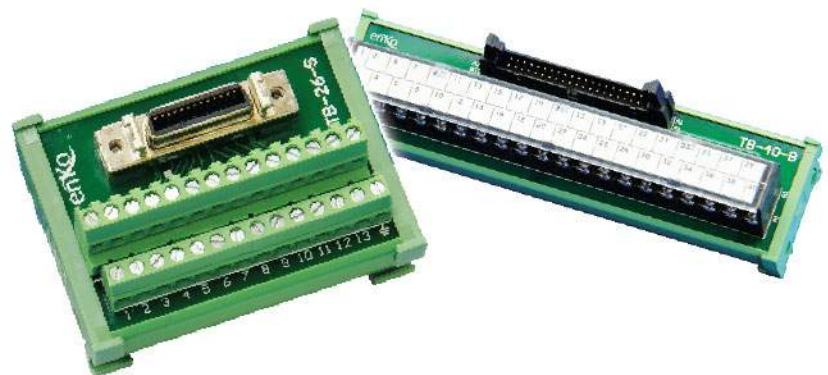
- Cable interconnections by using a terminal block can up to 30 times faster than traditional point-to-point wiring
- OEMs and panel builders can use terminal block wiring systems to build panels faster and produce more machines

4 Less maintenance work required

- Our screwless type terminal block TB-40-SL does not use screws to secure the wire.
- Therefore no retightening is required, eliminating the risk of screws being loosened due to vibration

5 Compatible for different brand of PLC and Servo system

- Mitsubishi
- Omron
- Panasonic
- Allen Bradley
- Yaskawa
- Fuji
- Telemacanique
- others



6 Labeling and marking

- Pre-printed I/O specific labels easy-to-read identification of wires and I/O points for all users.
- Save labor compared with point-to-point wiring that requires labor-intensive wire markers.

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2 SERVO

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For PLC

Terminal block

TB - 40 - _____
40 pins S : Screw type
 SL : Screwless type
 B : Barrier Type

Cable

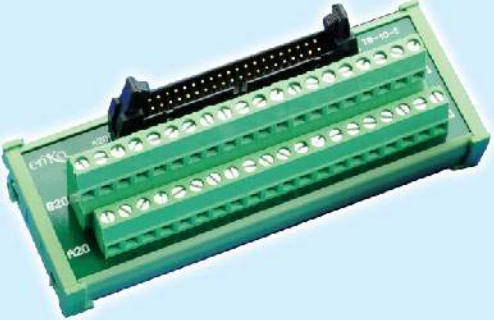
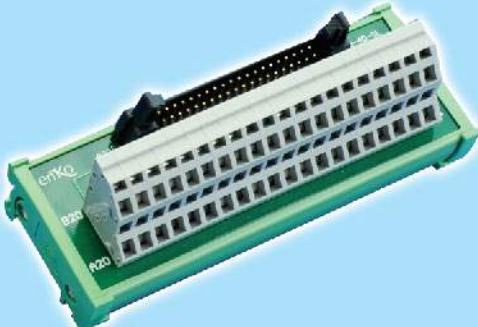
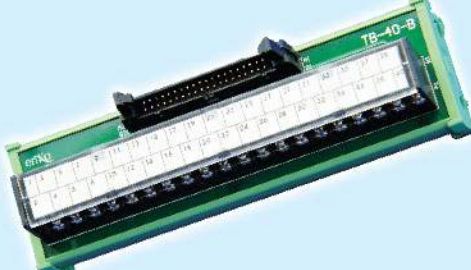

CAB - _____ - _____ M
 MN 1: 1 Meter
 MP 2: 2 Meter
 OM 3: 3 Meter
 5: 5 Meter

*Please refer to the model selection table for different brand

Specifications

Item	TB-40-S	TB-40-SL	TB-40-B
Connector	Screw type	Screwless type	Barrier type
Applicable wire size	24-12 AWG	28-12 AWG	28-12 AWG
wire strip length	6-7mm	6-7mm	N/A
Dimension	W48 X H50 X L122mm	W48 X H50 X L122mm	W48 X H50 X L172mm

ORDERING INFORMATION

Picture	Part Number	Dimension	Description
	TB-40-S	48 (W) x 50 (H) x 122mm (L)	<ul style="list-style-type: none"> - 40 input / output point - Screw Type
	TB-40-SL	48 (W) x 50 (H) x 122mm (L)	<ul style="list-style-type: none"> - 40 input / output point - Screwless Type
	TB-40-B	48 (W) x 50 (H) x 172mm (L)	<ul style="list-style-type: none"> - 40 input / output point - Barrier Type
	CAB-MN-nM, CAB-MP-nM, CAB-OM-nM	1M 2M 3M 5M	- Dedicated Cable

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
Q	QX41	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	QX42	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	QX71	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	QX72	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	QX82	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	QX82S1	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	QY41p	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	QY42p	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	QY71	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
QY82	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2	
A1S	A1SX41	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	A1SX42	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
A	AX42	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	AY42	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

Terminal block No.	PLC I/O	B	A	PLC I/O	Terminal block No.
B20	X00	20	20	X10	A20
B19	X01	19	19	X11	A19
B18	X02	18	18	X12	A18
B17	X03	17	17	X13	A17
B16	X04	16	16	X14	A16
B15	X05	15	15	X15	A15
B14	X06	14	14	X16	A14
B13	X07	13	13	X17	A13
B12	X08	12	12	X18	A12
B11	X09	11	11	X19	A11
B10	X0A	10	10	X1A	A10
B9	X0B	9	9	X1B	A9
B8	X0C	8	8	X1C	A8
B7	X0D	7	7	X1D	A7
B6	X0E	6	6	X1E	A6
B5	X0F	5	5	X1F	A5
B4	NC	4	4	NC	A4
B3	NC	3	3	NC	A3
B2	COM	2	2	NC	A2
B1	COM	1	1	NC	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

Terminal block No.	PLC I/O	B	A	PLC I/O	Terminal block No.
B20	Y00	20	20	Y10	A20
B19	Y01	19	19	Y11	A19
B18	Y02	18	18	Y12	A18
B17	Y03	17	17	Y13	A17
B16	Y04	16	16	Y14	A16
B15	Y05	15	15	Y15	A15
B14	Y06	14	14	Y16	A14
B13	Y07	13	13	Y17	A13
B12	Y08	12	12	Y18	A12
B11	Y09	11	11	Y19	A11
B10	Y0A	10	10	Y1A	A10
B9	Y0B	9	9	Y1B	A9
B8	Y0C	8	8	Y1C	A8
B7	Y0D	7	7	Y1D	A7
B6	Y0E	6	6	Y1E	A6
B5	Y0F	5	5	Y1F	A5
B4	NC	4	4	NC	A4
B3	NC	3	3	NC	A3
B2	VDC	2	2	COM	A2
B1	VDC	1	1	COM	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
Q	QX81	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MP-()M	1
	QY81P	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MP-()M	1
A1S	A1SX81	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MP-()M	1
	A1SX81(EP)	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MP-()M	1

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B3	NC	19			
A2	COM	18	37	NC	B4
A4	COM	17	36	COM	A3
A6	X1E	16	35	X1F	A5
A8	X1C	15	34	X1D	A7
A10	X1A	14	33	X1B	A9
A12	X18	13	32	X19	A11
A14	X16	12	31	X17	A13
A16	X14	11	30	X15	A15
A18	X12	10	29	X13	A17
A20	X10	9	28	X11	A19
B6	X0E	8	27	X0F	B5
B8	X0C	7	26	X0D	B7
B10	X0A	6	25	X0B	B9
B12	X08	5	24	X09	B11
B14	X06	4	23	X07	B13
B16	X04	3	22	X05	B15
B18	X02	2	21	X03	B17
A20	X00	1	20	X01	B19

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B3	0V	19			
A2	COM	18	37	0V	B4
A4	COM	17	36	COM	A3
A6	Y1E	16	35	Y1F	A5
A8	Y1C	15	34	Y1D	A7
A10	Y1A	14	33	Y1B	A9
A12	Y18	13	32	Y19	A11
A14	Y16	12	31	Y17	A13
A16	Y14	11	30	Y15	A15
A18	Y12	10	29	Y13	A17
A20	Y10	9	28	Y11	A19
B6	Y0E	8	27	Y0F	B5
B8	Y0C	7	26	Y0D	B7
B10	Y0A	6	25	Y0B	B9
B12	Y08	5	24	Y09	B11
B14	Y06	4	23	Y07	B13
B16	Y04	3	22	Y05	B15
B18	Y02	2	21	Y03	B17
A20	Y00	1	20	Y01	B19

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
CJ1	CJ1W-ID231	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CJ1W-ID261	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	CJ1W-OD231	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CJ1W-OD261	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
CS1	CS1W-ID231	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CS1W-ID261	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	CS1W-OD231	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CS1W-OD232	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	CS1W-OD262	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	CS1W-MD261	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
		32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CS1W-MD262	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
32 (in)		TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1	

* Please replace () with cable length, example 3=3M

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
C200	C200H-ID216	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	C200H-OD218	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
CQM1	CQM1-ID213	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CQM1-ID112	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	CQM1-OD213	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1

* Please replace () with cable length, example 3=3M

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O	A	B	I/O	Terminal block No.
A1	0	1	1	0	B1
A2	1	2	2	1	B2
A3	2	3	3	2	B3
A4	3	4	4	3	B4
A5	4	5	5	4	B5
A6	5	6	6	5	B6
A7	6	7	7	6	B7
A8	7	8	8	7	B8
A9	COM	9	9	COM	B9
A10	8	10	10	8	B10
A11	9	11	11	9	B11
A12	10	12	12	10	B12
A13	11	13	13	11	B13
A14	12	14	14	12	B14
A15	13	15	15	13	B15
A16	14	16	16	14	B16
A17	15	17	17	15	B17
A18	COM	18	18	COM	B18
A19	NC	19	19	NC	B19
A20	NC	20	20	NC	B20

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O	A	B	I/O	Terminal block No.
A1	0	1	1	0	B1
A2	1	2	2	1	B2
A3	2	3	3	2	B3
A4	3	4	4	3	B4
A5	4	5	5	4	B5
A6	5	6	6	5	B6
A7	6	7	7	6	B7
A8	7	8	8	7	B8
A9	COM	9	9	COM	B9
A10	+V	10	10	+V	B10
A11	8	11	11	8	B11
A12	9	12	12	9	B12
A13	10	13	13	10	B13
A14	11	14	14	11	B14
A15	12	15	15	12	B15
A16	13	16	16	13	B16
A17	14	17	17	14	B17
A18	15	18	18	15	B18
A19	COM	19	19	COM	B19
A20	+V	20	20	+V	B20

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
CJ1	CJ1W-ID232	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1
	CJ1W-ID262	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-OM-()M	2
	CJ1W-OD232	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1
	CJ1W-OD233	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1
	CJ1W-OD262	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-OM-()M	2
	CJ1W-OD263	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-OM-()M	2

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	NC	1	2	NC	A20
B19	COM1	3	4	COM1	A19
B18	15	5	6	7	A18
B17	14	7	8	6	A17
B16	13	9	10	5	A16
B15	12	11	12	4	A15
B14	11	13	14	3	A14
B13	10	15	16	2	A13
B12	9	17	18	1	A12
B11	8	19	20	0	A11
B10	NC	21	22	NC	A10
B9	COM0	23	24	COM0	A9
B8	15	25	26	7	A8
B7	14	27	28	6	A7
B6	13	29	30	5	A6
B5	12	31	32	4	A5
B4	11	33	34	3	A4
B3	10	35	36	2	A3
B2	9	37	38	1	A2
B1	8	39	40	0	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	+V	1	2	+V	A20
B19	0V	3	4	0V	A19
B18	15	5	6	15	A18
B17	14	7	8	14	A17
B16	13	9	10	13	A16
B15	12	11	12	12	A15
B14	11	13	14	11	A14
B13	10	15	16	10	A13
B12	9	17	18	9	A12
B11	8	19	20	8	A11
B10	+V	21	22	+V	A10
B9	0V	23	24	0V	A9
B8	15	25	26	15	A8
B7	14	27	28	14	A7
B6	13	29	30	13	A6
B5	12	31	32	12	A5
B4	11	33	34	11	A4
B3	10	35	36	10	A3
B2	9	37	38	9	A2
B1	8	39	40	8	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
F70	NC1X3204	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	NC1X3206	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	NC1X3202-W	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	NC1Y32T05P1	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
F13	FTU127C	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	FTU227C	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	A	B	I/O	Terminal block No.
A1	00	1	1	10	B1
A2	01	2	2	11	B2
A3	02	3	3	12	B3
A4	03	4	4	13	B4
A5	04	5	5	14	B5
A6	05	6	6	15	B6
A7	06	7	7	16	B7
A8	07	8	8	17	B8
A9	08	9	9	18	B9
A10	09	10	10	19	B10
A11	0A	11	11	1A	B11
A12	0B	12	12	1B	B12
A13	0C	13	13	1C	B13
A14	0D	14	14	1D	B14
A15	0E	15	15	1E	B15
A16	0F	16	16	1F	B16
A17	C1	17	17	NC	B17
A18	C2	18	18	NC	B18
A19	NC	19	19	NC	B19
A20	NC	20	20	NC	B20

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	A	B	I/O	Terminal block No.
A1	00	1	1	10	B1
A2	01	2	2	11	B2
A3	02	3	3	12	B3
A4	03	4	4	13	B4
A5	04	5	5	14	B5
A6	05	6	6	15	B6
A7	06	7	7	16	B7
A8	07	8	8	17	B8
A9	08	9	9	18	B9
A10	09	10	10	19	B10
A11	0A	11	11	1A	B11
A12	0B	12	12	1B	B12
A13	0C	13	13	1C	B13
A14	0D	14	14	1D	B14
A15	0E	15	15	1E	B15
A16	0F	16	16	1F	B16
A17	P	17	17	NC	B17
A18	P	18	18	NC	B18
A19	NC	19	19	M1	B19
A20	NC	20	20	M1	B20

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
F70	NC1X6404	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	NC1Y64T05P1-1	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	FTU126A	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	FTU125B	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
F13	FTU222A	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	FTU612A	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	B	A	I/O	Terminal block No.
B20	NC	20	20	NC	A20
B19	NC	19	19	NC	A19
B18	NC	18	18	C1	A18
B17	NC	17	17	C1	A17
B16	1F	16	16	0F	A16
B15	1E	15	15	0E	A15
B14	1D	14	14	0D	A14
B13	1C	13	13	0C	A13
B12	1B	12	12	0B	A12
B11	1A	11	11	0A	A11
B10	19	10	10	09	A10
B9	18	9	9	08	A9
B8	17	8	8	07	A8
B7	16	7	7	06	A7
B6	15	6	6	05	A6
B5	14	5	5	04	A5
B4	13	4	4	03	A4
B3	12	3	3	02	A3
B2	11	2	2	01	A2
B1	10	1	1	00	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	B	A	I/O	Terminal block No.
B20	M1	20	20	NC	A20
B19	M1	19	19	NC	A19
B18	NC	18	18	P1	A18
B17	NC	17	17	P1	A17
B16	1F	16	16	0F	A16
B15	1E	15	15	0E	A15
B14	1D	14	14	0D	A14
B13	1C	13	13	0C	A13
B12	1B	12	12	0B	A12
B11	1A	11	11	0A	A11
B10	19	10	10	09	A10
B9	18	9	9	08	A9
B8	17	8	8	07	A8
B7	16	7	7	06	A7
B6	15	6	6	05	A6
B5	14	5	5	04	A5
B4	13	4	4	03	A4
B3	12	3	3	02	A3
B2	11	2	2	01	A2
B1	10	1	1	00	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
SLC500	1746-IB32	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1
	1746-OB32	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	COM1	1	2	COM3	A20
B19	COM1	3	4	COM3	A19
B18	IN 0	5	6	IN 16	A18
B17	IN 1	7	8	IN 17	A17
B16	IN 2	9	10	IN 18	A16
B15	IN 3	11	12	IN 19	A15
B14	IN 4	13	14	IN 20	A14
B13	IN 5	15	16	IN 21	A13
B12	IN 6	17	18	IN 22	A12
B11	IN 7	19	20	IN 23	A11
B10	IN 8	21	22	IN 24	A10
B9	IN 9	23	24	IN 25	A9
B8	IN 10	25	26	IN 26	A8
B7	IN 11	27	28	IN 27	A7
B6	IN 12	29	30	IN 28	A6
B5	IN 13	31	32	IN 29	A5
B4	IN 14	33	34	IN 30	A4
B3	IN 15	35	36	IN 31	A3
B2	COM2	37	38	COM4	A2
B1	COM2	39	40	COM4	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	VDC1	1	2	VDC2	A20
B19	VDC1	3	4	VDC2	A19
B18	OUT0	5	6	OUT16	A18
B17	OUT1	7	8	OUT17	A17
B16	OUT2	9	10	OUT18	A16
B15	OUT3	11	12	OUT19	A15
B14	OUT4	13	14	OUT20	A14
B13	OUT5	15	16	OUT21	A13
B12	OUT6	17	18	OUT22	A12
B11	OUT7	19	20	OUT23	A11
B10	OUT8	21	22	OUT24	A10
B9	OUT9	23	24	OUT25	A9
B8	OUT10	25	26	OUT26	A8
B7	OUT11	27	28	OUT27	A7
B6	OUT12	29	30	OUT28	A6
B5	OUT13	31	32	OUT29	A5
B4	OUT14	33	34	OUT30	A4
B3	OUT15	35	36	OUT31	A3
B2	COM1	37	38	COM2	A2
B1	COM1	39	40	COM2	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
SLC500	1746-IV32	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1
	1746-OV32	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-OM-()M	1

* Please replace () with cable length, example 3=3m

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	VDC1	1	2	VDC3	A20
B19	VDC1	3	4	VDC3	A19
B18	IN 0	5	6	IN 16	A18
B17	IN 1	7	8	IN 17	A17
B16	IN 2	9	10	IN 18	A16
B15	IN 3	11	12	IN 19	A15
B14	IN 4	13	14	IN 20	A14
B13	IN 5	15	16	IN 21	A13
B12	IN 6	17	18	IN 22	A12
B11	IN 7	19	20	IN 23	A11
B10	IN 8	21	22	IN 24	A10
B9	IN 9	23	24	IN 25	A9
B8	IN 10	25	26	IN 26	A8
B7	IN 11	27	28	IN 27	A7
B6	IN 12	29	30	IN 28	A6
B5	IN 13	31	32	IN 29	A5
B4	IN 14	33	34	IN 30	A4
B3	IN 15	35	36	IN 31	A3
B2	VDC2	37	38	VDC4	A2
B1	VDC2	39	40	VDC4	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	VDC1	1	2	VDC2	A20
B19	VDC1	3	4	VDC2	A19
B18	OUT0	5	6	OUT16	A18
B17	OUT1	7	8	OUT17	A17
B16	OUT2	9	10	OUT18	A16
B15	OUT3	11	12	OUT19	A15
B14	OUT4	13	14	OUT20	A14
B13	OUT5	15	16	OUT21	A13
B12	OUT6	17	18	OUT22	A12
B11	OUT7	19	20	OUT23	A11
B10	OUT8	21	22	OUT24	A10
B9	OUT9	23	24	OUT25	A9
B8	OUT10	25	26	OUT26	A8
B7	OUT11	27	28	OUT27	A7
B6	OUT12	29	30	OUT28	A6
B5	OUT13	31	32	OUT29	A5
B4	OUT14	33	34	OUT30	A4
B3	OUT15	35	36	OUT31	A3
B2	COM1	37	38	COM2	A2
B1	COM1	39	40	COM2	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
FA-M3	F3XD32-3F	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3XD32-4F	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3XD32-5F	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3XD32-3N	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3XD32-4N	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3XD32-5N	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3YD32-1A	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3YD32-1B	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3YD32-1T	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3XD64-3F	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	F3XD64-4F	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	F3XD64-3N	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	F3XD64-4N	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	F3YD64-1A	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	F3YD64-1F	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	F3WD64-3F	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
		32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3WD64-4F	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
		32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3WD64-3N	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
		32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	F3WD64-4N	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
		32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1

* Please replace () with cable length, example 3=3M

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	B	A	I/O	Terminal block No.
B20	NC	20	20	NC	A20
B19	NC	19	19	NC	A19
B18	COM4	18	18	COM2	A18
B17	32	17	17	16	A17
B16	31	16	16	15	A16
B15	30	15	15	14	A15
B14	29	14	14	13	A14
B13	28	13	13	12	A13
B12	27	12	12	11	A12
B11	26	11	11	10	A11
B10	25	10	10	9	A10
B9	COM3	9	9	COM1	A9
B8	24	8	8	8	A8
B7	23	7	7	7	A7
B6	22	6	6	6	A6
B5	21	5	5	5	A5
B4	20	4	4	4	A4
B3	19	3	3	3	A3
B2	18	2	2	2	A2
B1	17	1	1	1	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	B	A	I/O	Terminal block No.
B20	+12/24V	20	20	+12/24V	A20
B19	COM4	19	19	COM2	A19
B18	32	18	18	16	A18
B17	31	17	17	15	A17
B16	30	16	16	14	A16
B15	29	15	15	13	A15
B14	28	14	14	12	A14
B13	27	13	13	11	A13
B12	26	12	12	10	A12
B11	25	11	11	9	A11
B10	+12/24V	10	10	+12/24V	A10
B9	COM3	9	9	COM1	A9
B8	24	8	8	8	A8
B7	23	7	7	7	A7
B6	22	6	6	6	A6
B5	21	5	5	5	A5
B4	20	4	4	4	A4
B3	19	3	3	3	A3
B2	18	2	2	2	A2
B1	17	1	1	1	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
M340	BMX DDI 3202K	32 (in)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	BMX DDI 6402K	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	BMX DDO 3202K	32 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1
	BMX DDO 6402K	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	BMX DDM 3202K	16 (in) 16 (out)	TB-40-S	TB-40-B	TB-40-SL	1	CAB-MN-()M	1

* Please replace () with cable length, example 3=3M

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	B	A	I/O	Terminal block No.
B20	0	20	20	1	A20
B19	2	19	19	3	A19
B18	4	18	18	5	A18
B17	6	17	17	7	A17
B16	8	16	16	9	A16
B15	10	15	15	11	A15
B14	12	14	14	13	A14
B13	14	13	13	15	A13
B12	+	12	12	-	A12
B11	+	11	11	-	A11
B10	16	10	10	17	A10
B9	18	9	9	19	A9
B8	20	8	8	21	A8
B7	22	7	7	23	A7
B6	24	6	6	25	A6
B5	26	5	5	27	A5
B4	28	4	4	29	A4
B3	30	3	3	31	A3
B2	+	2	2	-	A2
B1	+	1	1	-	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC	PLC connectors		PLC	TB-40-B, SL, S
Terminal block No.	I/O	B	A	I/O	Terminal block No.
B20	0	20	20	1	A20
B19	2	19	19	3	A19
B18	4	18	18	5	A18
B17	6	17	17	7	A17
B16	8	16	16	9	A16
B15	10	15	15	11	A15
B14	12	14	14	13	A14
B13	14	13	13	15	A13
B12	+	12	12	-	A12
B11	+	11	11	-	A11
B10	16	10	10	17	A10
B9	18	9	9	19	A9
B8	20	8	8	21	A8
B7	22	7	7	23	A7
B6	24	6	6	25	A6
B5	26	5	5	27	A5
B4	28	4	4	29	A4
B3	30	3	3	31	A3
B2	+	2	2	-	A2
B1	+	1	1	-	A1

PLC Series	I/O Card	I/O Pin	Terminal Block & Cable Use			Quantity	Cable	Quantity
			Terminal Block					
			Screw Type	Barrier Type	Screwless Type			
CM1	XD64C	64 (in)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2
	YT64A	64 (out)	TB-40-S	TB-40-B	TB-40-SL	2	CAB-MN-()M	2

* Please replace () with cable length, example 3=3M

PLC Input Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	X00	1	21	X10	A20
B19	X01	2	22	X11	A19
B18	X02	3	23	X12	A18
B17	X03	4	24	X13	A17
B16	X04	5	25	X14	A16
B15	X05	6	26	X15	A15
B14	X06	7	27	X16	A14
B13	X07	8	28	X17	A13
B12	X08	9	29	X18	A12
B11	X09	10	30	X19	A11
B10	X0A	11	31	X1A	A10
B9	X0B	12	32	X1B	A9
B8	X0C	13	33	X1C	A8
B7	X0D	14	34	X1D	A7
B6	X0E	15	35	X1E	A6
B5	X0F	16	36	X1F	A5
B4	NC	17	37	NC	A4
B3	NC	18	38	NC	A3
B2	COM	19	39	NC	A2
B1	COM	20	40	NC	A1

PLC Output Terminal Block
TB-40-B / TB-40-SL / TB-40-S
Connection Diagram

PLC connectors

TB-40-B, SL, S	PLC			PLC	TB-40-B, SL, S
Terminal block No.	I/O			I/O	Terminal block No.
B20	Y00	1	21	Y10	A20
B19	Y01	2	22	Y11	A19
B18	Y02	3	23	Y12	A18
B17	Y03	4	24	Y13	A17
B16	Y04	5	25	Y14	A16
B15	Y05	6	26	Y15	A15
B14	Y06	7	27	Y16	A14
B13	Y07	8	28	Y17	A13
B12	Y08	9	29	Y18	A12
B11	Y09	10	30	Y19	A11
B10	Y0A	11	31	Y1A	A10
B9	Y0B	12	32	Y1B	A9
B8	Y0C	13	33	Y1C	A8
B7	Y0D	14	34	Y1D	A7
B6	Y0E	15	35	Y1E	A6
B5	Y0F	16	36	Y1F	A5
B4	NC	17	37	NC	A4
B3	NC	18	38	NC	A3
B2	+24V	19	39	+24V	A2
B1	+24V	20	40	+24V	A1

For servo motor

Terminal block

TB - _____ - S
26 : 26 pins
50 : 50 pins

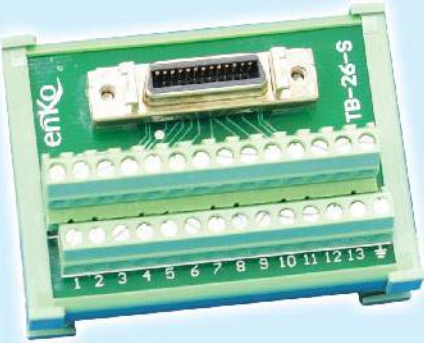
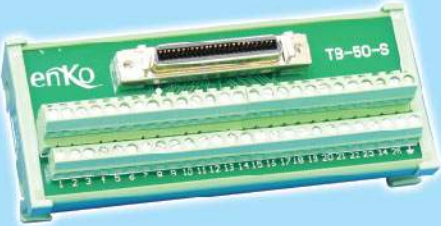
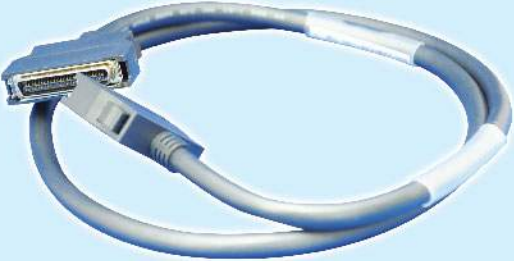
Cable

CAB - _____ - _____ M
26 : 26 points 1: 1 Meter
50 : 50 points 2: 2 Meter
 3: 3 Meter
 5: 5 Meter

Specifications

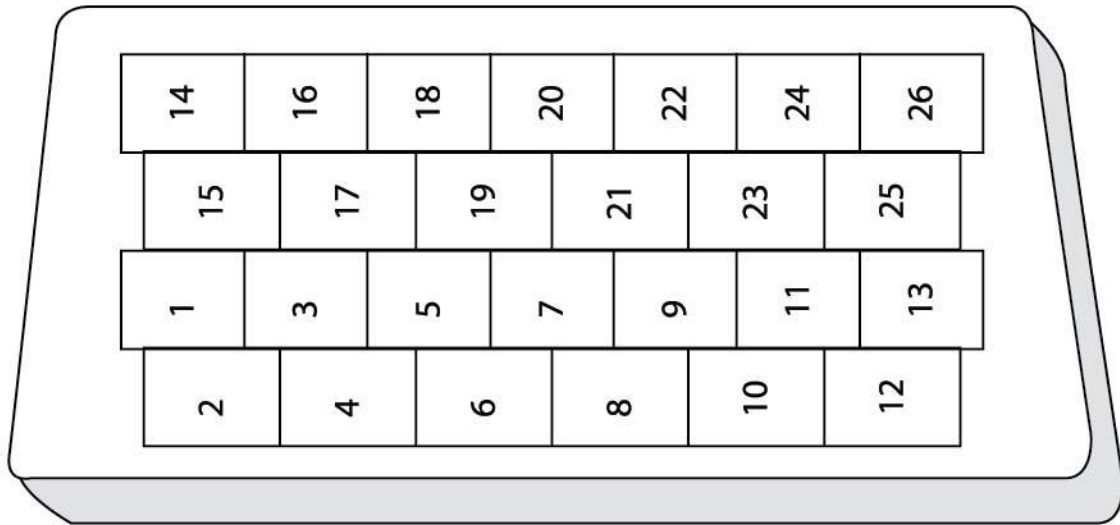
Item	TB-26-S	TB-50-S
Connector	Screw type	Screw type
Applicable wire size	30-16 AWG	30-16 AWG
wire strip length	6-7mm	6-7mm
Dimension	W48 X H38 X L65mm	W48 X H38 X L110mm

ORDERING INFORMATION

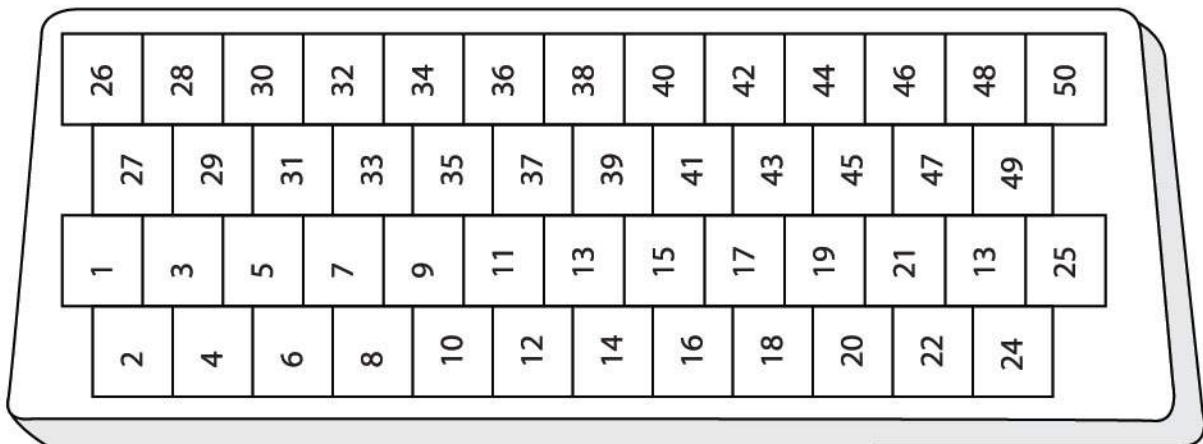
Picture	Part Number	Dimension	Description
 <p>The image shows a green PCB terminal block with a 26-pin D-sub connector. The PCB is labeled 'enKo' and 'TB-26-S'. Below the connector, there are two rows of screw terminals numbered 1 through 13.</p>	TB-26-S	48 (W) x 38 (H) x 65 mm (L)	-26 pins -Screw type
 <p>The image shows a green PCB terminal block with a 50-pin D-sub connector. The PCB is labeled 'enKo' and 'TB-50-S'. Below the connector, there are two rows of screw terminals numbered 1 through 25.</p>	TB-50-S	48 (W) x 38 (H) x 110 mm (L)	-50 pins -Screw type
 <p>The image shows two blue cables. One is a 26-pin D-sub to RJ45 cable, and the other is a 50-pin D-sub to RJ45 cable. Both are labeled as 'enKo' cables.</p>	CAB-26-nM CAB-50-nM	1M 2M 3M 5M	-Dedicated cable

PIN ASSIGNMENT

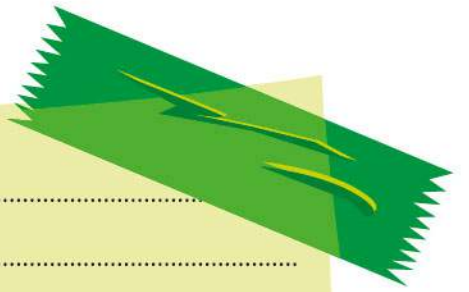
TB-26-S



TB-50-S



Note.....



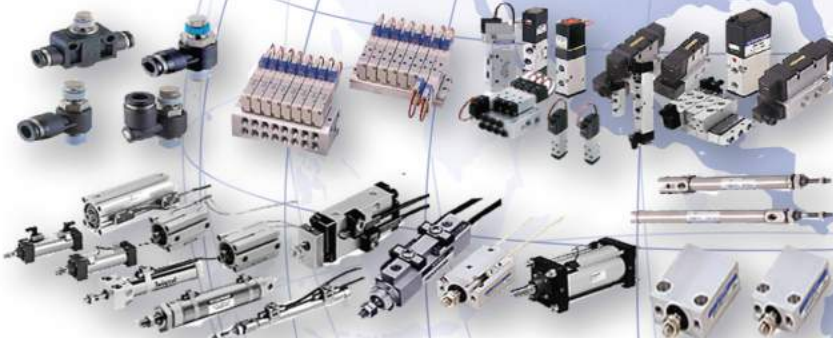
A large, light green rectangular area with horizontal dotted lines for writing. The bottom left corner is folded over, showing a grey shadow underneath. The entire page is set against a white background.



I-LINEAR... BEYOND EXPECTATION



Pneumatic Systems Component



PLC Terminal Block



Planetary Reducer



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