T35 DIN Rail Interface Modules

Don't Limit Yourself to a Terminal Block Connector on Your DIN Rail

Mencom's expandable T35 series of Din Rail modules allows you the convenience of mounting a wide variety of connectors to your DIN rail. Also known as "break-out boards", these modules allow the end user to take a pre-wired connection, like a ribbon cable or D-Sub, and easily break it out to individual terminal points. This is all done while taking up minimal space on the DIN rail. Custom interface modules, which may require special circuits or components, can be engineered with quick turnaround from design to delivery, or order the housing components and add your own PCB.
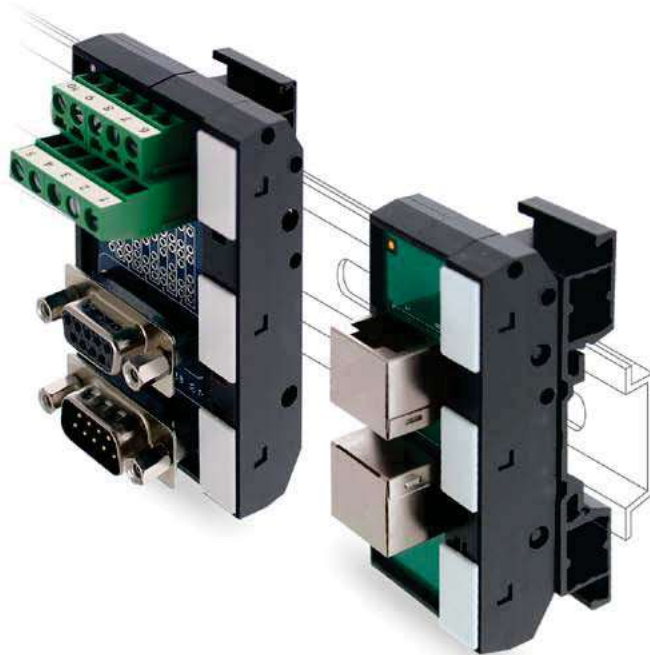
DIN Rail Interface Modules

Mencom offers a broad range of DIN Rail mount modules which provide a wiring transition from a variety of connectors to either fixed wiring or terminal block.

- Interface modules feature a cable locking mechanism
- Many of the printed circuit boards feature additional component holes for the easy addition of LEDs, resistors or other electronic components.
- Marker end caps are available for all interface modules

RJ45 & R12 Interface Modules

RJ45 or RJ12 to Fixed Screw Terminal Block
- Provides a transition from RJ45 to terminal blocks
- Multi-tiered terminal blocks for quick wiring

Interconnected RJ45 Cat5 Ethernet Connectors
- Allows for cross wired connectors

Ribbon Cable Interface Modules

Ribbon Cable to Fixed Screw Cable Terminal Block
- Provides a transition from Ribbon cable to terminal blocks
- Multi-tiered terminal blocks for quick wiring
- Retention clips ensure a solid connection

D-Sub Interface Modules

D-sub interface modules, made with male & female connections.

D-Sub to Fixed Screw Connection Terminal Block
- Provides a transition from D-sub to terminal block
- Multi-tiered terminal block for quick wiring

Interconnected D-sub connectors
- One male and one female per interface module

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T35 DIN Rail Interface Modules

Don't Limit Yourself to a Terminal Block Connector on Your DIN Rail

Contents

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Connector Configuration A

DB09MF	=	9 Pin Male and Female D-Sub
DB15MF	=	15 Pin Male and Female D-Sub
DB25MF	=	25 Pin Male and Female D-Sub
DB37MF	=	37 Pin Male and Female D-Sub
DB50MF	=	50 Pin Male and Female D-Sub
RC20	=	20 Pin Ribbon Cable
RC26	=	26 Pin Ribbon Cable
RC34	=	34 Pin Ribbon Cable
RC40	=	40 Pin Ribbon Cable
RC50	=	50 Pin Ribbon Cable
RJ45	=	Ethernet Female
RJ45H	=	Horizontal Ethernet Female
RJ45V	=	Vertical Ethernet Female
RJ12	=	Handset Jack Female
TBS9	=	8 Pin Spring Clamp Terminal Block with Shield
3WPDX6	=	6 Port Power Terminal Block

Marker Tab

Blank	=	No Marker Tab
MC	=	Marker Tabs
MC2	=	Marker Tabs on Both Sides

Connector Configuration B

TB	=	Terminal Block
TBS	=	Spring Clamp Terminal Block
TBSH	=	Horizontal Spring Clamp Terminal Block
TBS8	=	8 Pin Spring Clamp Terminal Block
TBS9	=	8 Pin Spring Clamp Terminal Block with Shield
RJ45	=	Ethernet Female
RJ45V	=	Vertical Ethernet Female

Configuration C

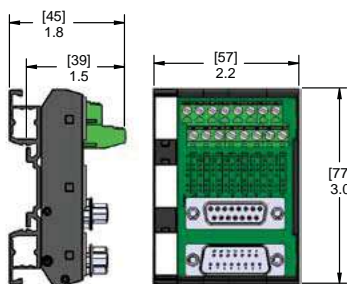|		
Blank	=	No Additional Configuration
16IO	=	16 Port Input/Output Module
E45	=	Designed for Ethernet Cable

T35 DIN Rail Modules

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Male & Female D-sub to Terminal Block | 250V, 1.5amps

Connection Type A	Connection Type B	Rating	Wire Range	Features	Part Number	
					Marker Tag	No Marker Tag
9 Pin D-sub	Terminal Block	250V 1.5A	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Male and Female D-sub 35mm DIN rail mounting	T35-DB09MF-TB-MC	T35-DB09MF-TB
15 Pin D-sub	Terminal Block	250V 1.5A			T35-DB15MF-TB-MC	T35-DB15MF-TB
25 Pin D-sub	Terminal Block	250V 1.5A			T35-DB25MF-TB-MC	T35-DB25MF-TB

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
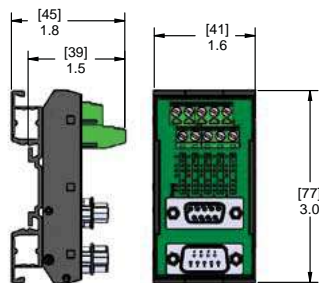Other configurations are available. Please consult factory.
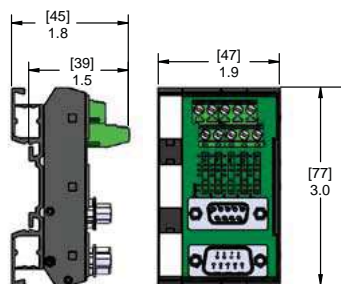
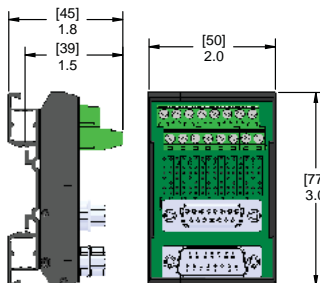9 Pin D-Sub to Terminal Block
with 3 Removable Marker Tags

15 Pin D-Sub to Terminal Block
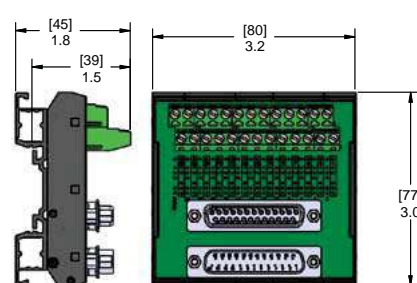with 3 Removable Marker Tags

25 Pin D-Sub to Terminal Block
with 3 Removable Marker Tags

9 Pin D-Sub to Terminal Block

15 Pin D-Sub to Terminal Block

25 Pin D-Sub to Terminal Block

Specifications:

Body:	Polyamide	Hardware:	Copper Alloy
Screw:	Galvanized Steel	Marker Tags:	Polyamide
Terminal:	Tin-Plated Brass	Wire Strip Length:	0.3in (6.7mm)
Clamp:	Nickeled Brass	Screw Torque:	4.4lbf-in (0.5Nm)
Insulators:	Glass-Filled Thermoplastic	Screw Size:	4-40
Contacts:	Gold-Plated Copper Alloy	Temperature:	-40°C to 105°C
Shell:	Steel		

T35 DIN Rail Modules

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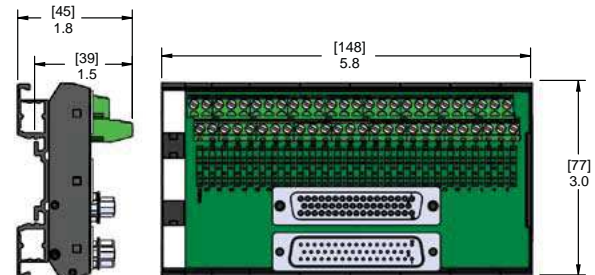Male & Female D-sub to Terminal Block | 250V, 1.5amps

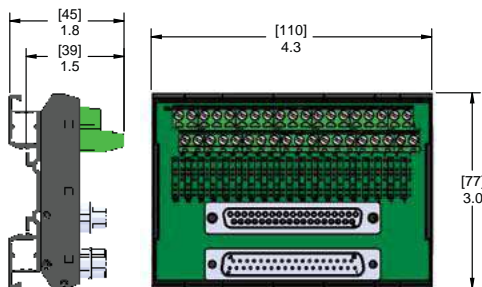| Connection Type A	Connection Type B	Rating	Wire Range	Features	Part Number	
					Marker Tag	No Marker Tag
37 Pin D-sub	Terminal Block	250V 1.5A	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Male and Female D-sub 35mm DIN rail mounting	T35-DB37MF-TB-MC	T35-DB37MF-TB
50 Pin D-sub	Terminal Block	250V 1.5A			T35-DB50MF-TB-MC	T35-DB50MF-TB

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
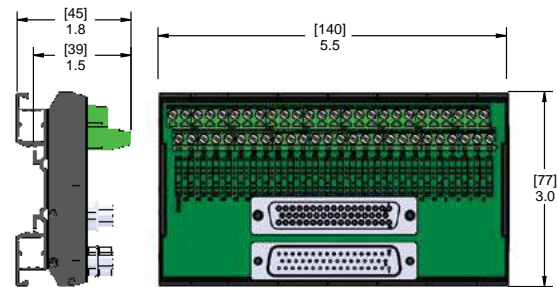Other configurations are available. Please consult factory.

37 Pin D-Sub to Terminal Block
with 3 Removable Marker Tags

50 Pin D-Sub to Terminal Block
with 3 Removable Marker Tags

37 Pin D-Sub to Terminal Block

50 Pin D-Sub to Terminal Block

Specifications:

Body:	Polyamide	Hardware:	Copper Alloy
Screw:	Galvanized Steel	Marker Tags:	Polyamide
Terminal:	Tin-Plated Brass	Wire Strip Length:	0.3in (6.7mm)
Clamp:	Nickeled Brass	Screw Torque:	4.4lbf-in (0.5Nm)
Insulators:	Glass-Filled Thermoplastic	Screw Size:	4-40
Contacts:	Gold-Plated Copper Alloy	Temperature:	-40°C to 105°C
Shell:	Steel		

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T35 DIN Rail Interface Modules

20, 26 & 34 Ribbon Cable DIN Rail Modules, 30-14AWG

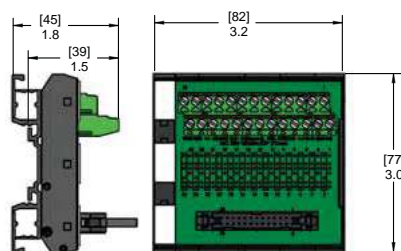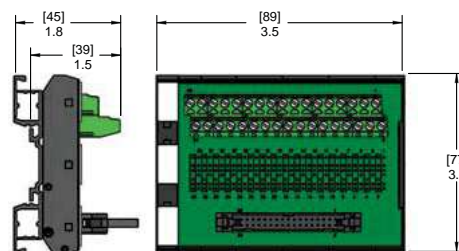| Connection Type A	Connection Type B	Wire Range	Features	Part Number	
				Marker Tag	No Marker Tag
20 Pin Ribbon Cable	Terminal Block	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Male Ribbon Cable 35mm DIN rail mounting	T35-RC20-TB-MC	T35-RC20-TB
26 Pin Ribbon Cable	Terminal Block			T35-RC26-TB-MC	T35-RC26-TB
34 Pin Ribbon Cable	Terminal Block			T35-RC34-TB-MC	T35-RC34-TB

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
Other configurations are available. Please consult factory.
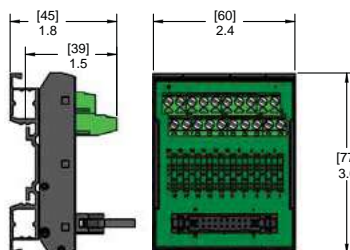

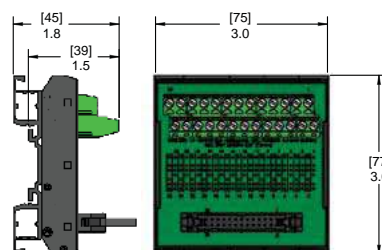20 Pin Ribbon Cable to Terminal Block with 3 Removable Marker Tags

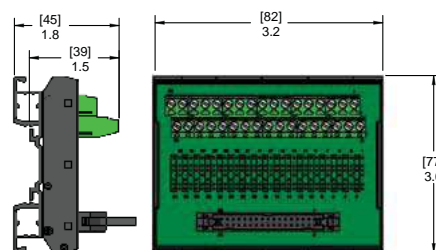26 Pin Ribbon Cable to Terminal Block with 3 Removable Marker Tags

34 Pin Ribbon Cable to Terminal Block with 3 Removable Marker Tags

20 Pin Ribbon Cable to Terminal Block

26 Pin Ribbon Cable to Terminal Block

34 Pin Ribbon Cable to Terminal Block

Specifications:

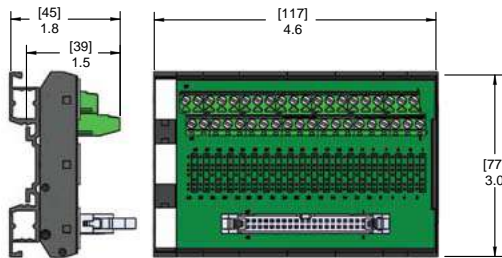|			
Body:	Polyamide	Marker Tags:	Polyamide
Screw:	Galvanized Steel	Wire Strip Length:	0.3in (6.7mm)
Terminal:	Tin-Plated Brass	Screw Torque:	4.4lbf-in (0.5Nm)
Clamp:	Nickeled Brass	Screw Size:	4-40
Insulators:	Glass-Filled Thermoplastic	Temperature:	-40°C to 105°C
Contacts:	Gold-Plated Copper Alloy		

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Ribbon Cable to Terminal Block | 250V, 1.5amps

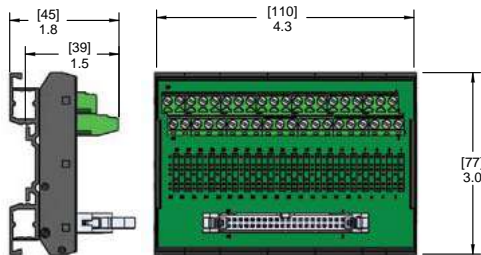| Connection Type A	Connection Type B	Wire Range	Features	Part Number	
				Marker Tag	No Marker Tag
40 Pin Ribbon Cable	Terminal Block	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Male and Female D-sub 35mm DIN rail mounting	T35-RC40-TB-MC	T35-RC40-TB
50 Pin Ribbon Cable	Terminal Block			T35-RC50-TB-MC	T35-RC50-TB

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
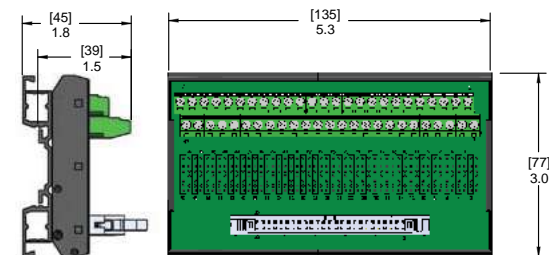Other configurations are available. Please consult factory.

40 Pin Ribbon Cable to Terminal Block
with 3 Removable Marker Tags

50 Pin Ribbon Cable to Terminal Block
with 3 Removable Marker Tags

26 Pin Ribbon Cable to Terminal Block

50 Pin Ribbon Cable to Terminal Block

Specifications:

Body:	Polyamide	Marker Tags:	Polyamide
Screw:	Galvanized Steel	Wire Strip Length:	0.3in (6.7mm)
Terminal:	Tin-Plated Brass	Screw Torque:	4.4lbf-in (0.5Nm)
Clamp:	Nickeled Brass	Screw Size:	4-40
Insulators:	Glass-Filled Thermoplastic	Temperature:	-40°C to 105°C
Contacts:	Gold-Plated Copper Alloy		

T35 DIN Rail Modules
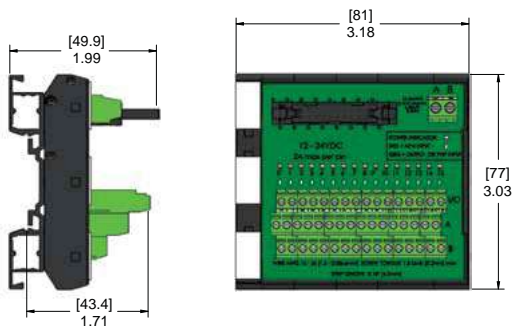
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T35 DIN Rail Interface Modules

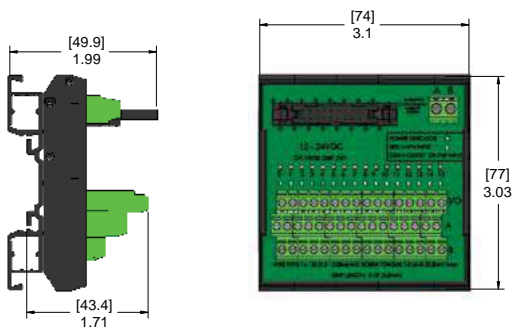## 20 Pin Ribbon Input/Output Modules, 26-16AWG

Ribbon Cable to Terminal Block | 16 Port Input/Output Module | 12-24VDC, 2A Max per Pin

Connection Type A	Connection Type B	Wire Range	Features	Part Number	
				Marker Tag	No Marker Tag
20 Pin Ribbon Cable	Terminal Block	26-16AWG Solid or Stranded (0.08mm² - 1.5mm²)	PNP & NPN Sensor Input/ Valve Output Connected pin to pin 35mm DIN rail mounting	T35-RC20-TB-16IO-MC	T35-RC20-TB-16IO

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
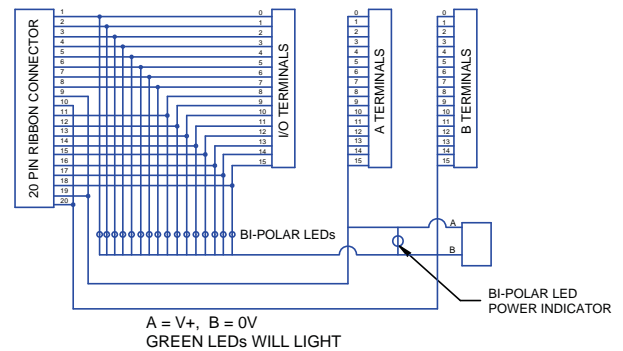Other configurations are available. Please consult factory.

[49.9]
1.99

[81]
3.18

[77]
3.03

[43.4]
1.71

Ribbon Cable to Terminal Block
with 3 Removable Marker Tags

PNP WIRING

A = V+, B = 0V
GREEN LEDs WILL LIGHT

NPN WIRING

A = 0V, B = V+
RED LEDs WILL LIGHT

Output WIRING

B = 0V
GREEN LEDs WILL LIGHT
DO NOT USE "A TERMINALS"
DO NOT WIRE PINS 9, 10, 19 or 20 OF RIBBON CABLE CONNECTOR

[49.9]
1.99

[74]
3.1

[77]
3.03

[43.4]
1.71

Ribbon Cable to Terminal Block

Specifications:

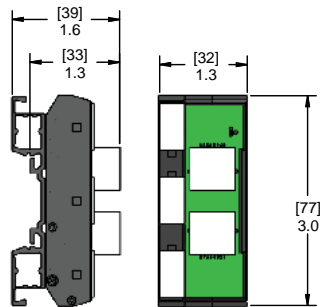|			
Body:	Polyamide	Marker Tags:	Polyamide
Screw:	Galvanized Steel	Wire Strip Length:	0.18in (4.5mm)
Terminal:	Tin-Plated Brass	Screw Torque:	1.8lbf-in (0.2Nm)
Clamp:	Nickeled Brass	Screw Size:	4-40
Insulators:	Glass-Filled Thermoplastic	Temperature:	-40°C to 105°C
Contacts:	Gold-Plated Copper Alloy		

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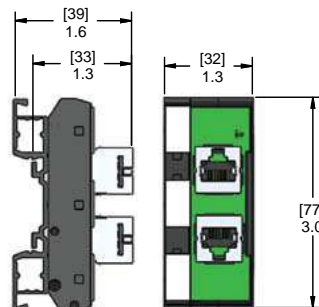**RJ45 to Terminal Block | RJ45 to RJ45 | 250V, 1.5amps**

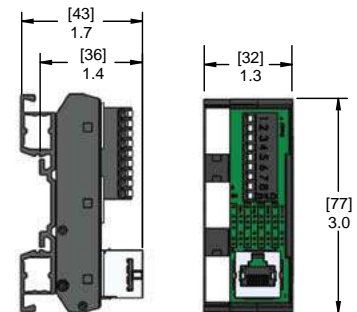| Connection Type A	Connection Type B	Wire Range	Features	Part Number	
				Marker Tag	No Marker Tag
RJ45	RJ45	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Shielded Sockets Connected pin to pin 35mm DIN rail mounting	T35-RJ45-RJ45-MC	T35-RJ45-RJ45
Vertical RJ45	Vertical RJ45			T35-RJ45V-RJ45V-MC	T35-RJ45V-RJ45V
RJ45	Spring Clamp Terminal Block			T35-RJ45-TBS-MC	T35-RJ45-TBS

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
Other configurations are available. Please consult factory.
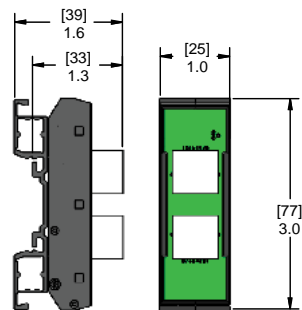

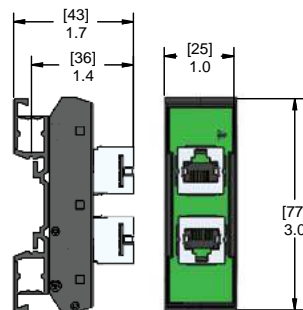RJ45 to RJ45
with 3 Removable Marker Tags

Vertical RJ45 to Vertical RJ45
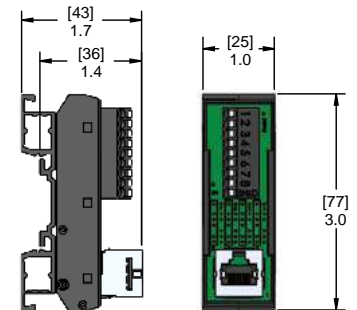with 3 Removable Marker Tags

RJ45 to Spring Clamp Terminal Block
with 3 Removable Marker Tags

RJ45 to RJ45

Vertical RJ45 to Vertical RJ45

RJ45 to Spring Clamp Terminal Block

Specifications:

Body:	Polyamide	Marker Tags:	Polyamide
Screw:	Galvanized Steel	Wire Strip Length:	0.3in (6.7mm)
Terminal:	Tin-Plated Brass	Screw Torque:	4.4lbf-in (0.5Nm)
Clamp:	Nickeled Brass	Screw Size:	4-40
Insulators:	Glass-Filled Thermoplastic	Temperature:	-40°C to 105°C
Contacts:	Gold-Plated Copper Alloy		

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T35 DIN Rail Interface Modules

*Ethernet Connector DIN Rail Modules, 30-14AWG*

RJ45 to Terminal Block | Spring Clamp Terminal Block to Spring Clamp Terminal Block | 250V, 1.5amps

| Connection Type A	Connection Type B	Wire Range	Features	Part Number	
				Marker Tag	No Marker Tag
Horizontal RJ45	Spring Clamp Terminal Block	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Shielded Sockets Connected pin to pin 35mm DIN rail mounting	T35-RJ45H-TBS-MC	T35-RJ45H-TBS
Horizontal RJ45	Horizontal Spring Clamp Terminal Block			T35-RJ45H-TBSH-MC	T35-RJ45H-TBSH
9 Pin Spring Clamp Terminal Block with Shield	9 Pin Spring Clamp Terminal Block with Shield	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Designed for Ethernet Cable Connected pin to pin 35mm DIN rail mounting	T35-TBS9-TBS9-E45-MC	T35-TBS9-TBS9-E45

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
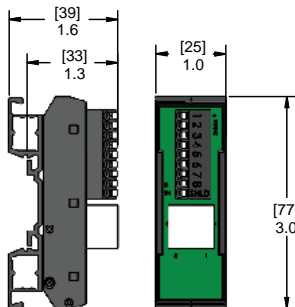Other configurations are available. Please consult factory.
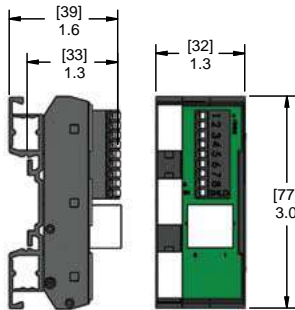
Horizontal RJ45 to
Spring Clamp Terminal Block
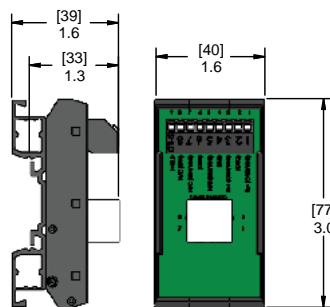with 3 Removable Marker Tags
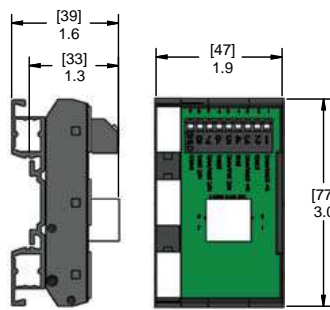
Horizontal RJ45 to
Horizontal Spring Clamp Terminal Block
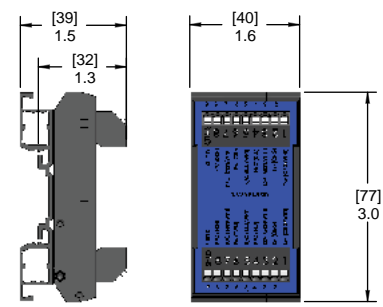with 3 Removable Marker Tags
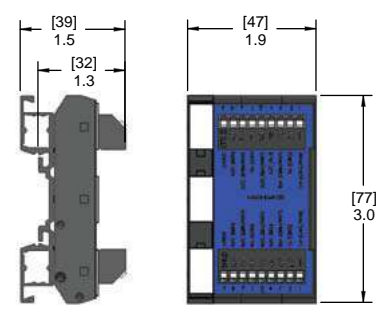
Spring Clamp Terminal Block to
Spring Clamp Terminal Block
with 3 Removable Marker Tags

Horizontal RJ45 to
Spring Clamp Terminal Block

Horizontal RJ45 to
Horizontal Spring Clamp Terminal Block

Spring Clamp Terminal Block to
Spring Clamp Terminal Block

Specifications:

Body:	Polyamide	Marker Tags:	Polyamide
Screw:	Galvanized Steel	Wire Strip Length:	0.3in (6.7mm)
Terminal:	Tin-Plated Brass	Screw Torque:	4.4lbf-in (0.5Nm)
Clamp:	Nickeled Brass	Screw Size:	4-40
Insulators:	Glass-Filled Thermoplastic	Temperature:	-40°C to 105°C
Contacts:	Gold-Plated Copper Alloy		

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RJ12 to Terminal Block | 250V, 1.5amps

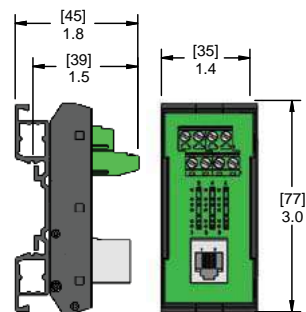| Connection Type A	Connection Type B	Wire Range	Features	Part Number	
				Marker Tag	No Marker Tag
RJ12	Terminal Block	30-14AWG Solid or Stranded (0.05mm² - 2.5mm²)	Shielded Sockets Connected pin to pin 35mm DIN rail mounting	T35-RJ12-TB-MC	T35-RJ12-TB

The printed circuit boards have component holes for the easy addition of LED's, resistors, or other electronic components.
Other configurations are available. Please consult factory.

Specifications:

Body:	Polyamide
Screw:	Galvanized Steel
Terminal:	Tin-Plated Brass
Clamp:	Nickeled Brass
Insulators:	Glass-Filled Thermoplastic
Contacts:	Gold-Plated Copper Alloy
Marker Tags:	Polyamide
Wire Strip Length:	0.3in (6.7mm)
Screw Torque:	4.4lbf-in (0.5Nm)
Screw Size:	4-40
Temperature:	-40°C to 105°C
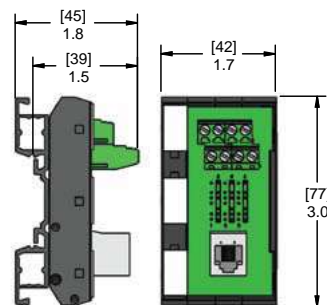
RJ12 to Terminal Block
with 3 Removable Marker Tags

RJ12 to Terminal Block

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