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Entranet

View from within the connector assembly showing the terminal screws.
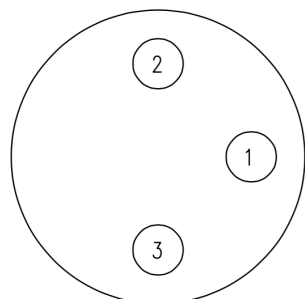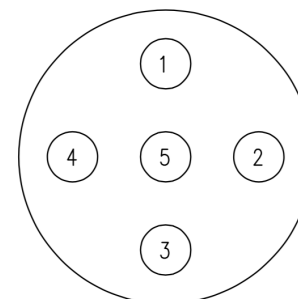
3 Pin 24vdc
Female Connector

Pin	Colour	Desc
1	Green	Chassis Ground
2	Red—black	24vdc —
3	Red—White	24vdc +
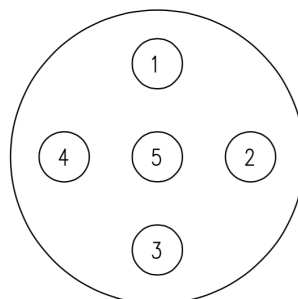
5 Pin Digital Input
Male Connector

Pin	Colour	Desc
1	Brown	Not Used
2	White	DI1 Common +5vdc
3	Blue	DI1 Signal
4	Black	DI2 Common +5vdc
5	Grey	DI2 Signal

5 Pin RS485 (Modbus)
Female Connector

Pin	Colour	Desc
1	Brown	Not Used
2	White	Data — A
3	Blue	Data + B
4	Black	0vdc
5	Grey	Not Used
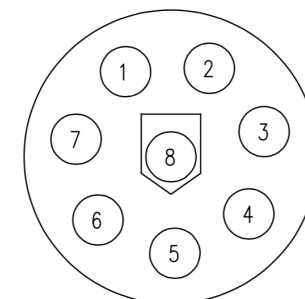
8 Pin TCP/IP
Male Connector

Pin	Colour	Desc
1	White	Orange—White TD+
2	Brown	Orange TD—
3	Green	White—Green RD+
4	Yellow	Blue BD+
5	Grey	White—Blue BD—
6	Pink	Green RD—
7	Blue	White—Brown BD+
8	Red	Brown BD—

24vdc 3 Pin Male Power Plug

(Brown) Pin 1	24v+
(Blue) Pin 3	24v -
(Black) Pin 4	Chassis Ground

5 Pin Male Digital Input Plug

(Brown) Pin 1	*Not Used*	
(White) Pin 2	Digital Input No.1	Common +5v
(Blue) Pin 3	Digital Input No.1	In
(Black) Pin 4	Digital Input No.2	Common +5v
(Grey) Pin 5	Digital Input No.2	In

5 Pin Female RS485 Serial (Modbus) Plug

(Brown) Pin 1	*Not Used*
(White) Pin 2	Data - (A)
(Blue) Pin 3	Data + (B)
(Black) Pin 4	0v
(Grey) Pin 5	*Not Used*

TCP/IP Ethernet 8 Pin RJ45 Plug

(White/Orange) Pin 1	Transmit Data +
(Orange) Pin 2	Transmit Data –
(White/Green) Pin 3	Receive Data +
(Blue) Pin 4	Bi-Directional +
(White/Blue) Pin 5	Bi-Directional –
(Green) Pin 6	Receive Data –
(White/Brown) Pin 7	Bi-Directional +
(Brown) Pin 8	Bi-Directional -

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Socket position Left to Right:

1 = 24vdc   **2** = Digital Inputs   **3** = RS485 (Modbus)   **4** = TCP/IP

24vdc 3 Pin Female Power Plug

(Green) Pin 1	Chassis Ground
(Red/Black) Pin 2	24v -
(Red/White) Pin 3	24v +

5 Pin Male Digital Input Plug

(Brown) Pin 1	*Not Used*	
(White) Pin 2	Digital Input No.1	Common +5v
(Blue) Pin 3	Digital Input No.1	In
(Black) Pin 4	Digital Input No.2	Common +5v
(Grey) Pin 5	Digital Input No.2	In

5 Pin Female RS485 Serial (Modbus) Plug

(Brown) Pin 1	*Not Used*
(White) Pin 2	Data - (A)
(Blue) Pin 3	Data + (B)
(Black) Pin 4	0v
(Grey) Pin 5	*Not Used*

Socket position Left to Right:

1 = 24vdc   **2** = Digital Inputs   **3** = RS485 (Modbus)   **4** = TCP/IP

TCP/IP Ethernet 8 Pin Male RJ45 Plug

1+ (White) Pin 1	Transmit Data +	(White/Orange)
1- (Brown) Pin 2	Transmit Data –	(Orange)
2+ (Green) Pin 3	Receive Data +	(White/Green)
2- (Yellow) Pin 4	Bi-Directional +	(Blue)
3+ (Grey) Pin 5	Bi-Directional –	(White/Blue)
3- (Pink) Pin 6	Receive Data –	(Green)
4+ (Blue) Pin 7	Bi-Directional +	(White/Brown)
4- (Red) Pin 8	Bi-Directional -	(Brown)

TCP/IP Ethernet Crossover 8 Pin Male Plug

1+ (White) Pin 1	Transmit Data +	(White/Green)
1- (Brown) Pin 2	Transmit Data –	(Green)
2+ (Green) Pin 3	Receive Data +	(White/Orange)
2- (Yellow) Pin 4	Bi-Directional +	(Blue)
3+ (Grey) Pin 5	Bi-Directional –	(White/Blue)
3- (Pink) Pin 6	Receive Data –	(Orange)
4+ (Blue) Pin 7	Bi-Directional +	(White/Brown)
4- (Red) Pin 8	Bi-Directional -	(Brown)
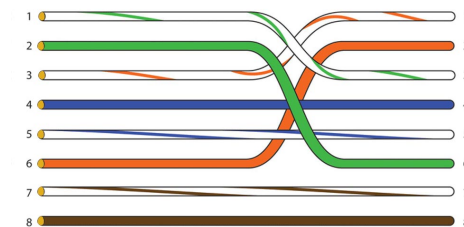
24vdc 2 Pin Male Power Plug

Pin 1	24v +
Pin 2	24v -

Ethernet TCP/IP 8 Pin Male RJ45 Plug

(White/Orange) Pin 1	Transmit Data +
(Orange) Pin 2	Transmit Data -
(White/Green) Pin 3	Receive Data +
(Blue) Pin 4	Bi-Directional +
(White/Blue) Pin 5	Bi-Directional -
(Green) Pin 6	Receive Data -
(White/Brown) Pin 7	Bi-Directional +
(Brown) Pin 8	Bi-Directional -

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