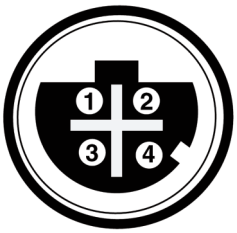
ArmorStart LT Receptacle Pin Outs

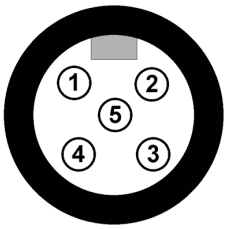
EtherNet, DeviceNet, and I/O Connections

EtherNet/IP Connector D-coded (M12)



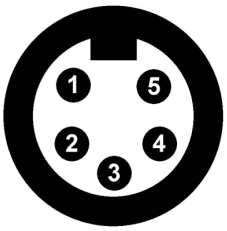
Pin 1: Tx+
Pin 2: Rx+
Pin 3: Tx-
Pin 4: Rx-

I/O Connector (M12)



Pin 1: Sensor source voltage
Pin 2: Not used
Pin 3: Common
Pin 4: Input or Output
Pin 5: Not used

DeviceNet Connector (M18)

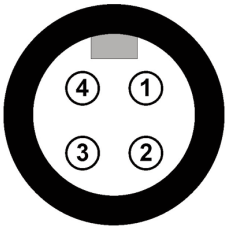


Pin 1: Drain (no connection)
Pin 2: +VDNET
Pin 3: -VDNET
Pin 4: CAN_H
Pin 5: CAN_L

Power Connections

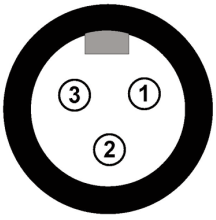
ArmorStart LT utilizes a M22 male receptacle for power inputs and a M22 female receptacle for motor or motor brake output.

Motor Connector



Pin 1: T1 (black)
Pin 2: T2 (white)
Pin 3: T3 (red)
Pin 4: Ground (green/yellow)

Source Brake Connector

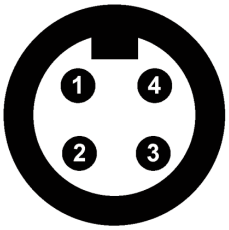


Pin 1: Ground (green/yellow)
Pin 2: B1 (black)
Pin 3: B2 (white)

Incoming Control Power— 24V DC only

Pin 1: (+V) Unswitched (A3)(red)
Pin 2: (-V) Common (A2)(black)
Pin 3: Not used (green)
Pin 4: Not used (blank)
Pin 5: (+V) Switched (A1)(blue)
Pin 6: Not used (white)

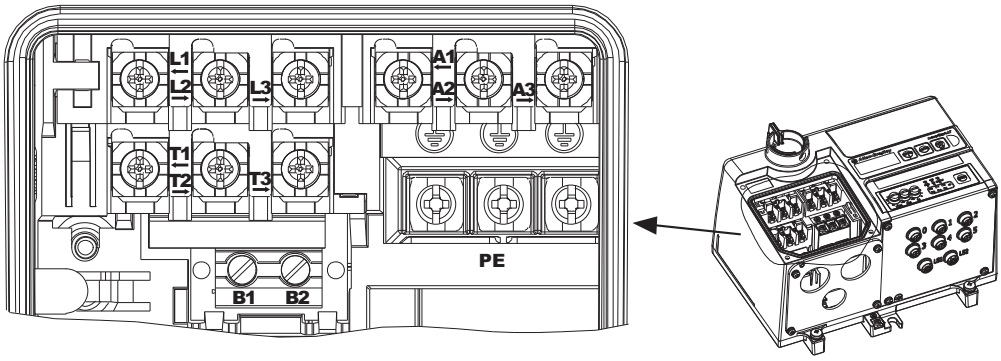
Incoming 3-phase Power

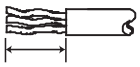


Pin 1: L1 (black)
Pin 2: L2 (white)
Pin 3: L3 (red)
Pin 4: Ground (green/yellow)

Power and Control Terminals

The maximum number of connections per terminal are shown below. All the terminals are found in the wiring area. Access can be gained by removing the terminal access cover plate.





Wire Strip Length
0.35 ± 0.01 in.
(9 ± 0.2mm)

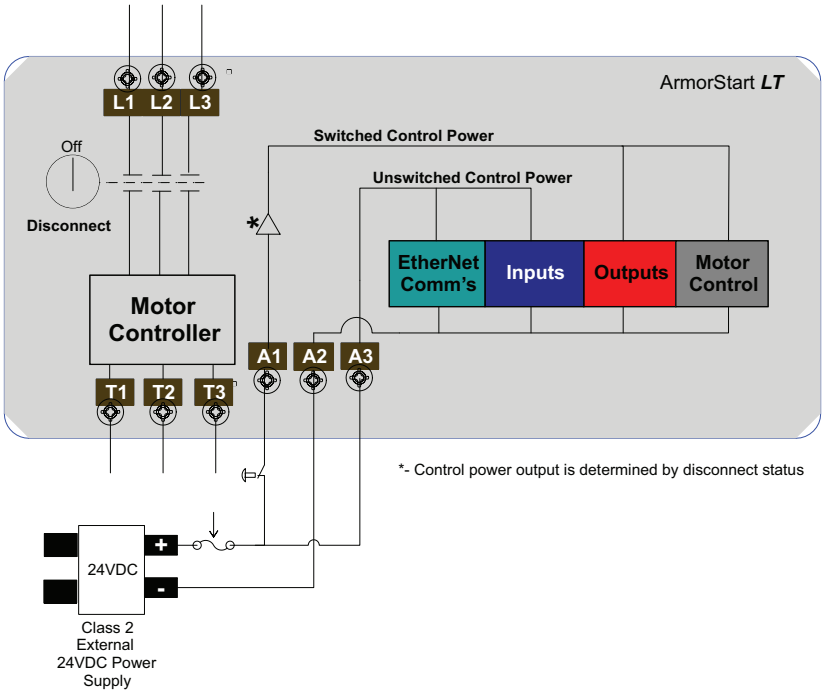
Terminal Designations	Number of Poles	Description
A1 (+)	2	Switched 24V DC Control Power★
A2 (-)	2	Control Power Common★
A3 (+)	2	Unswitched 24V DC Control Power★
PE	1	Ground
1/L1	2	Line Power — Phase A
3/L2	2	Line Power — Phase B
5/L3	2	Line Power — Phase C
2/T1	1	Motor Connection — Phase A
4/T2	1	Motor Connection — Phase B
6/T3	1	Motor Connection — Phase C
B1	1	Source Brake Connection — B1‡
B2	1	Source Brake Connection — B2‡

★ When the internal power supply option is selected, no connection is made here.
‡ Available only with Bulletin 294E.

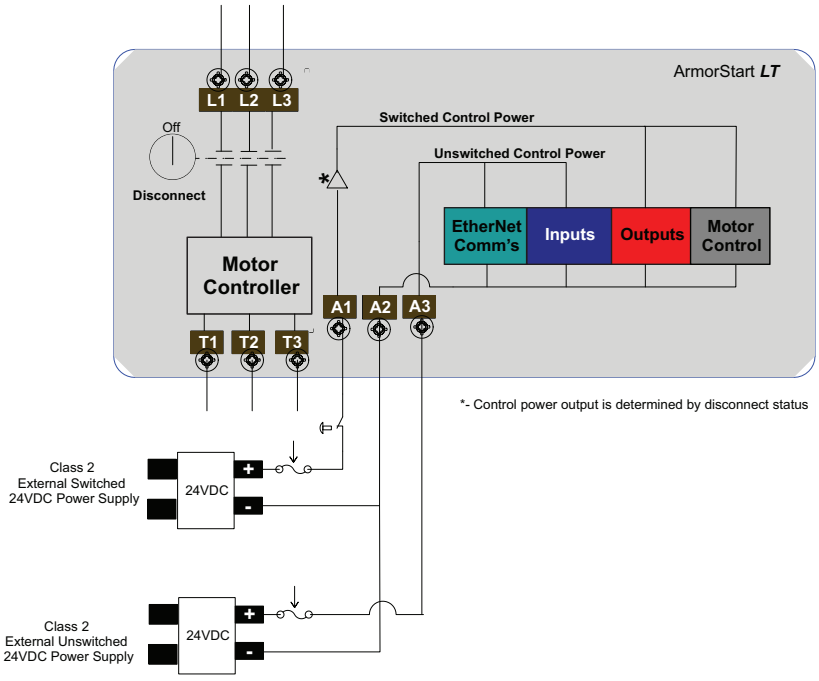
Switched and Unswitched Power

ArmorStart LT EtherNet/IP utilizes 24V DC control power for communications and I/O. The control power terminal connections are labeled A1, A2, and A3. Switched power (A1) will supply the outputs. Unswitched power (A3) will supply the logic power and sensor inputs.

Single External Power Supply for Switched and Unswitched Control Power Configuration



Two External Power Supplies for Switched and Unswitched Control Power Configuration



Internal Power Supply for Switched and Unswitched Control Power Configuration