

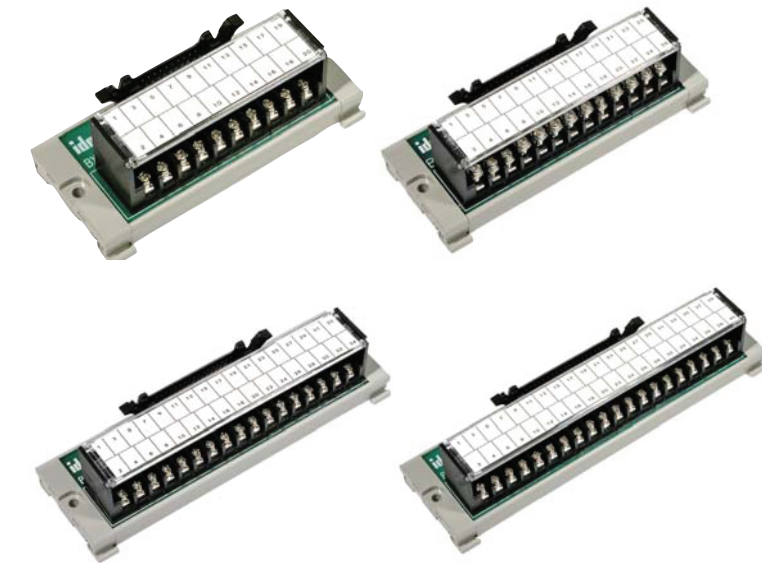
BX Series

Key features of the BX series include:

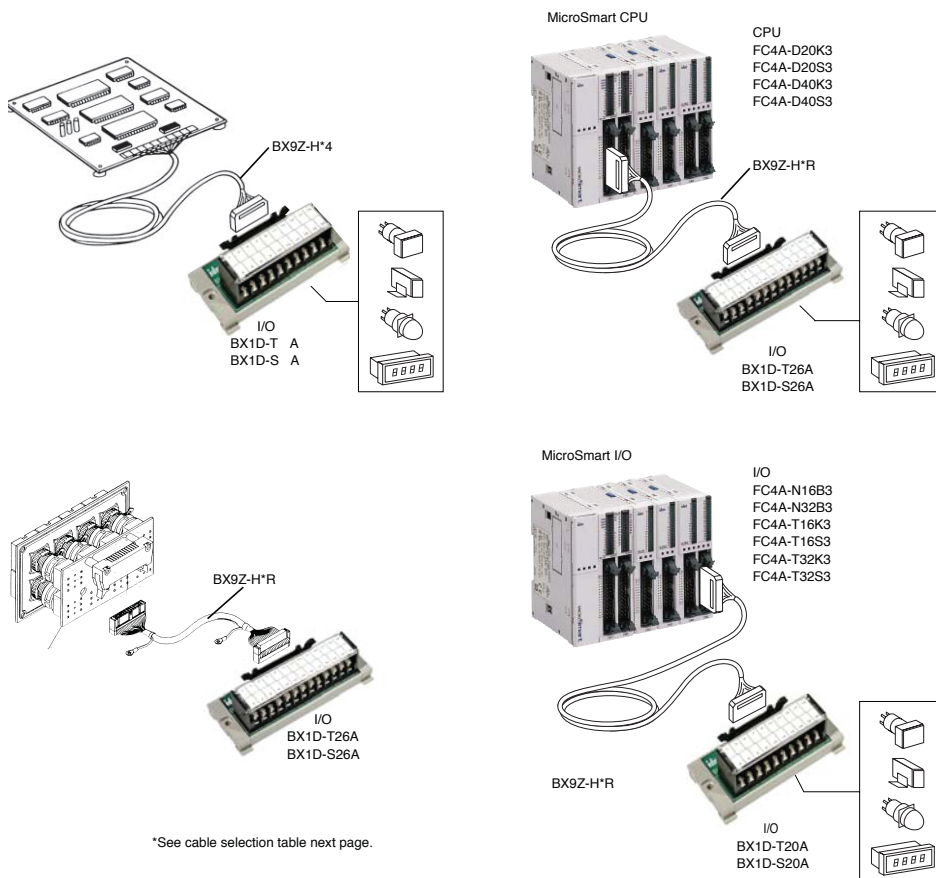
- Unique touch-down terminals
- All units are molded from UL94-V0 material with excellent flame- and shock-resistance
- Mount on DIN rail or flat surface
- Current capacity: 1A
- Available with 16, 20, 26, 34, 40, and 50 pins
- UL and CSA
- Hinged covers with built-in marking strips

Specifications

|                       |                               |
|-----------------------|-------------------------------|
| Terminal Width        | 7.62mm (M3 screw)             |
| Rated Voltage         | 125V                          |
| Rated Current         | 1A                            |
| Rated Wire Size       | 22-14 AWG (2mm <sup>2</sup> ) |
| Insulation Resistance | 100MΩ minimum (500V DC)       |
| Dielectric Strength   | 500V AC, 1 minute             |
| Operating Temperature | -10 to 65°C                   |
| Humidity Range        | 45 to 85% RH                  |
| Housing Material      | PPE resin (UL94-V0)           |
| Terminals/Connector   | PBT resin (UL94-V0)           |



BX Series Application Examples



Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers

**Part Numbers**

**Part Numbers: Break-Out Modules and Cables**

**Accessories**

|                                       | Pins | Terminal Style | Module Part Number | Cable Part Number        |                             |                         | Remarks |                                       |
|---------------------------------------|------|----------------|--------------------|--------------------------|-----------------------------|-------------------------|---------|---------------------------------------|
|                                       |      |                |                    | MIL to Single Connectors | MIL to MIL Shielded         | MIL to MIL Non-shielded |         |                                       |
| <b>Standard MIL Connector Modules</b> | 16   | Touch-down     | BX1D-T16A          | BX9Z-H#D4                | -                           | -                       |         |                                       |
|                                       |      | Screw          | BX1D-S16A          |                          |                             |                         |         |                                       |
|                                       | 20   | Touch-down     | BX1D-T20A          | BX9Z-H#E4                | FC9Z-H100C20A or FC9Z-H#A20 | FC9Z-H#B20              |         | FC4A/FC5A 16 & 32 point I/O modules   |
|                                       |      | Screw          | BX1D-S20A          |                          |                             |                         |         |                                       |
|                                       | 26   | Touch-down     | BX1D-T26A          | FC9Z-H100C26A            | FC9Z-H#A26                  | FC9Z-H#B26              |         | FC4A/FC5A 20 & 40 point I/O slim CPUs |
|                                       |      | Screw          | BX1D-S26A          |                          |                             |                         |         |                                       |
|                                       | 34   | Touch-down     | BX1D-T34A          | BX9Z-H#F4                | -                           | -                       |         |                                       |
|                                       |      | Screw          | BX1D-S34A          |                          |                             |                         |         |                                       |
|                                       | 40   | Touch-down     | BX1D-T40A          | BX9Z-H#G4                | -                           | -                       |         |                                       |
|                                       |      | Screw          | BX1D-S40A          |                          |                             |                         |         |                                       |
|                                       | 50   | Touch-down     | BX1D-T50A          | BX9Z-H#H4                | -                           | -                       |         |                                       |
|                                       |      | Screw          | BX1D-S50A          |                          |                             |                         |         |                                       |

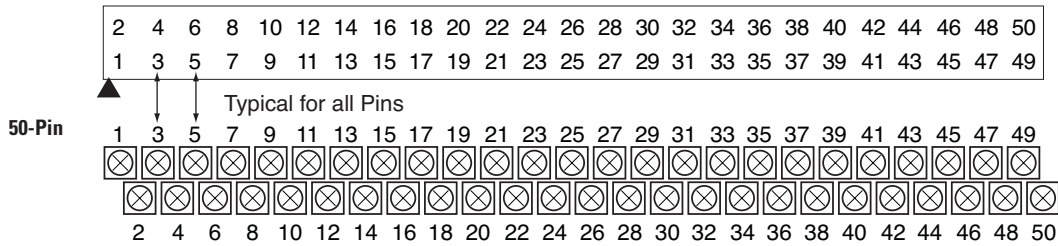
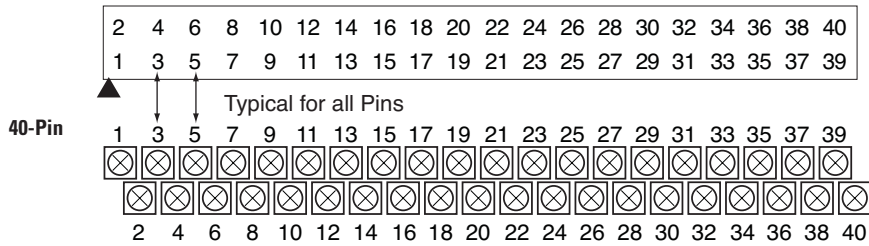
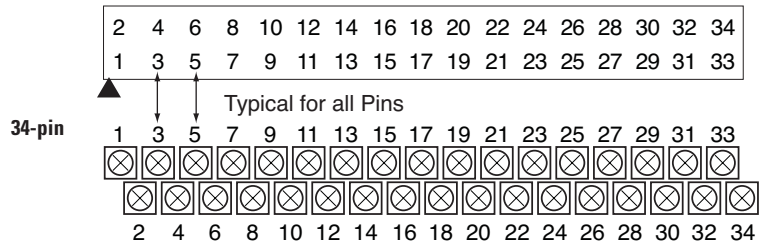
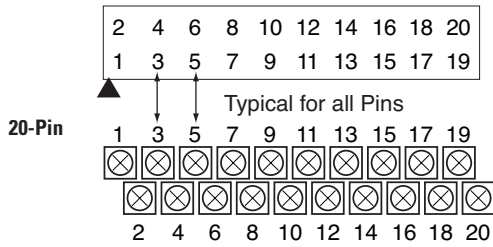
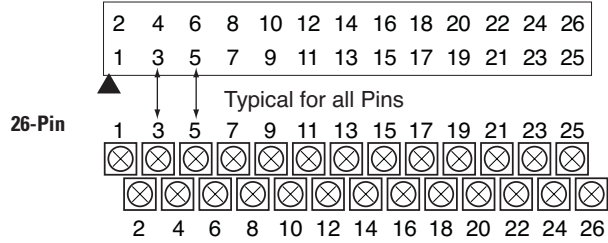
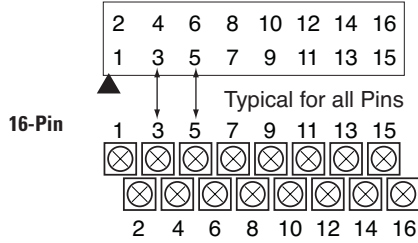
1. For BX terminal arrangements, see page 879.  
 2. # = length codes:  
 100 = 39.4" (1 meter)  
 200 = 78.7" (2 meter)  
 300 = 118.1" (3 meter)

**Part Numbers: DIN Rail and DIN Rail Stops**

| Description          | Use with      | Diagram | Part No. | Remarks  |
|----------------------|---------------|---------|----------|--|
| <b>DIN Rail</b>      | All BX series |         | BNDN1000 | 1. The length is 39.37" (1,000mm).<br>2. For calculating the rail lengths required, see the instructions on page 876.<br>3. DIN rail material is aluminum. |
| <b>DIN Rail Stop</b> | All BX series |         | BNL6     | 1. Rail stops prevent side-to-side movement.<br>2. Use rail stops on BNDN1000 DIN rails.   |

Switches & Pilot Lights  
Display Lights  
Relays & Sockets  
Timers  
Terminal Blocks  
Circuit Breakers

Terminal Arrangements: BX Series



Switches & Pilot Lights

Display Lights

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**Dimensions: BX Series**
**Dimensions**

| Part No.         | Pins | Dimensions |         | Diagram |
|------------------|------|------------|---------|---------|
|                  |      | L          | A       |         |
| <b>BX1D-T16A</b> | 16   | 3.66"      | 3.27"   |         |
| <b>BX1D-S16A</b> |      | (94mm)     | (84mm)  |         |
| <b>BX1D-T20A</b> | 20   | 4.29"      | 3.89"   |         |
| <b>BX1D-S20A</b> |      | (113mm)    | (103mm) |         |
| <b>BS1D-T26A</b> | 26   | 5.20"      | 4.80"   |         |
| <b>BX1D-S26A</b> |      | (132mm)    | (122mm) |         |
| <b>BX1D-T34A</b> | 34   | 6.38"      | 5.98"   |         |
| <b>BX1D-S34A</b> |      | (162mm)    | (152mm) |         |
| <b>BX1D-T40A</b> | 40   | 7.28"      | 6.89"   |         |
| <b>BX1D-S40A</b> |      | (185mm)    | (175mm) |         |
| <b>BX1D-T50A</b> | 50   | 8.78"      | 8.39"   |         |
| <b>BX1D-S50A</b> |      | (223mm)    | (213mm) |         |

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