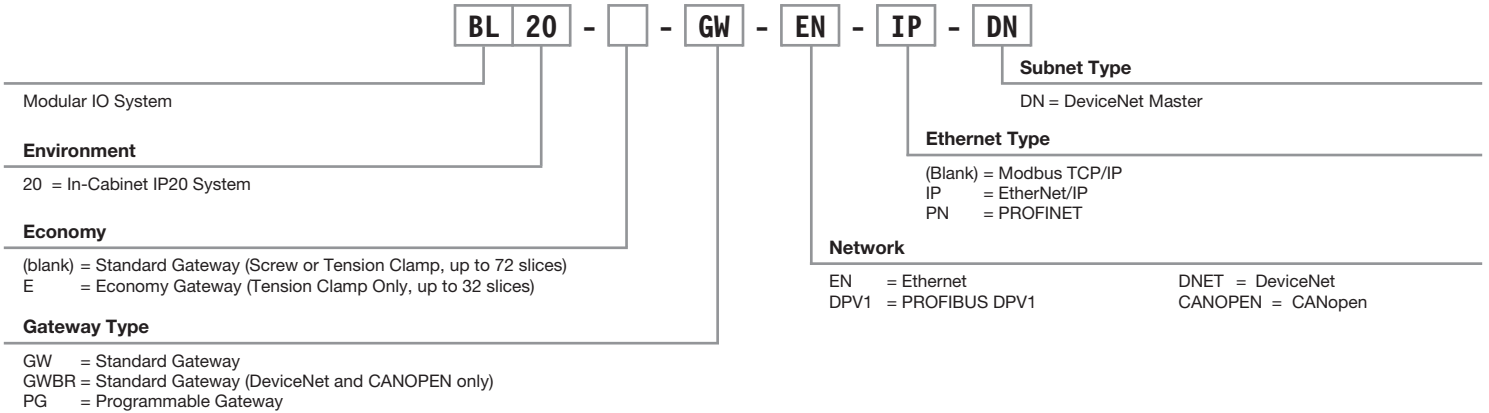


# BL20: PARTS OVERVIEW

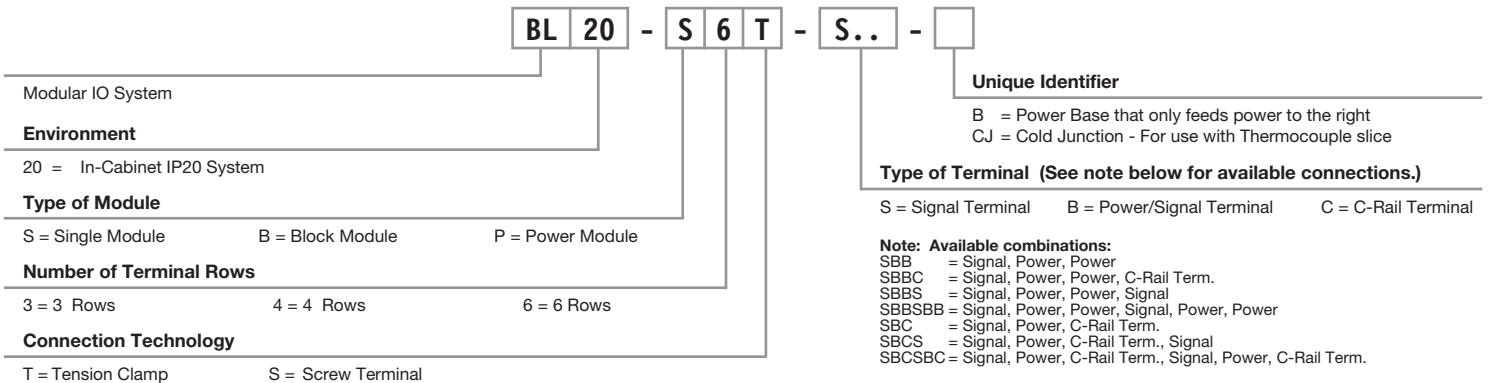
## BL20 Gateways Part Number Key



| ID Number | Part Number     | Description  |
|-----------|-----------------|--|
| M6827247  | BL20-GW-EN-IP   | EtherNet/IP Gateway  |
| M6827248  | BL20-PG-EN-IP   | Programmable EtherNet/IP Gateway                           |
| M6827330  | BL20-E-GW-EN-IP | Economy EtherNet/IP Gateway - Integrated Ethernet Switch   |
| M6827237  | BL20-GW-EN      | Modbus TCP/IP Gateway                                      |
| M6827249  | BL20-PG-EN      | Programmable Modbus TCP/IP Gateway                         |
| M6827329  | BL20-E-GW-EN    | Economy Modbus TCP/IP Gateway - Integrated Ethernet Switch |
| M6827300  | BL20-GW-EN-PN   | PROFINET Gateway   |

| ID Number | Part Number       | Description                   |
|-----------|-------------------|-------------------------------|
| M6827168  | BL20-GWBR-DNET    | DeviceNet Gateway             |
| M6827301  | BL20-E-GW-DN      | Economy DeviceNet Gateway     |
| M6827234  | BL20-GW-DPV1      | PROFIBUS DPV1 Gateway         |
| M6827250  | BL20-E-GW-DP      | Economy PROFIBUS DPV1 Gateway |
| M6827167  | BL20-GWBR-CANOPEN | CANOpen Gateway               |
| M6827252  | BL20-E-GW-CO      | Economy CANOpen Gateway       |

## BL20 Bases Part Number Key



| ID Number | Part Number      | Description   |
|-----------|------------------|---|
| M6827045  | BL20-S3*-SBB     | Single Base, 3 Rows, Signal, Power, Power                                     |
| M6827059  | BL20-S3*-SBC     | Single Base, 3 Rows, Signal, Power, C-Rail                                    |
| M6827047  | BL20-S4*-SBBS    | Single Base, 4 Rows, Signal, Power, Power, Signal                             |
| M6827049  | BL20-S4*-SBBS-CJ | Single Base, 4 Rows, Signal, Power, Power, Signal, Cold Junction Compensation |
| M6827051  | BL20-S4*-SBBC    | Single Base, 4 Rows, Signal, Power, Power, C-Rail                             |
| M6827060  | BL20-S4*-SBCS    | Single Base, 4 Rows, Signal, Power, C-Rail, Signal                            |
| M6827053  | BL20-S6*-SBBSBB  | Single Base, 6 Rows, Signal, Power, Power, Signal, Power, Power               |
| M6827066  | BL20-S6*-SBCSBC  | Single Base, 6 Rows, Signal, Power, C-Rail, Signal, Power, C-Rail             |

| ID Number | Part Number     | Description   |
|-----------|-----------------|---|
| M6827055  | BL20-B3*-SBB    | Block Base, 3 Rows, Signal, Power, Power  |
| M6827061  | BL20-B3*-SBC    | Block Base, 3 Rows, Signal, Power, C-Rail   |
| M6827057  | BL20-B4*-SBBC   | Block Base, 4 Rows, Signal, Power, Power, C-Rail  |
| M6827219  | BL20-B6*-SBCSBC | Block Base, 6 Rows, Signal, Power, C-Rail, Signal, Power, C-Rail                                      |
| M6827065  | BL20-B6*-SBBSBB | Block Base, 6 Rows, Signal, Power, Power, Signal, Power, Power  |
| M6827037  | BL20-P3*-SBB    | Power Base, 3 Rows, Signal, Power, Power, For use with older gateways to provide power to the gateway |
| M6827041  | BL20-P3*-SBB-B  | Power Base, 3 Rows, Signal, Power, Power, For use in middle of station to refresh backplane power     |

\* = Placeholder for an "S" for screw terminal or "T" for tension clamp bases.  
 Power rows can be sometimes used for signals instead of power.  
 Refer to the catalog for individual wiring diagrams

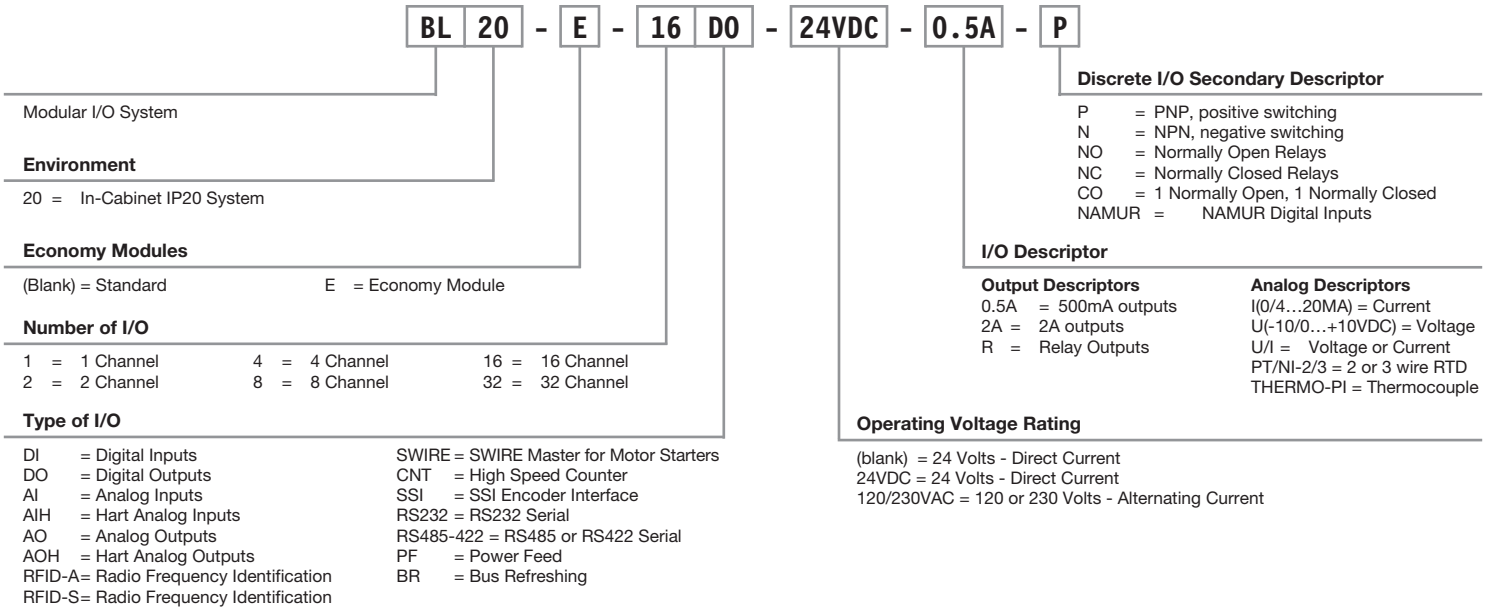
**Note:**  
 Part Number Keys are for IDENTIFICATION ONLY.  
 Verify Part Numbers with Factory; some configurations are not possible.

Any Economy part can only mate directly with other tension clamp based items. If screw terminals must be used, place a BL20-PF-24VDC module with a screw terminal power base and then the node may be continued with screw terminal bases.

I/O Assistant can be used to build up stations and test for power issues, base incompatibilities, and other design considerations. Download it at [www.turck.com](http://www.turck.com).

# BL20: PARTS OVERVIEW

## BL20 Slices Part Number Key



| ID Number | Part Number               | Description  |
|-----------|---------------------------|--|
| M6827009  | BL20-2DI-24VDC-P          | 2 Digital Input, 24VDC, PNP  |
| M6827010  | BL20-2DI-24VDC-N          | 2 Digital Input, 24VDC, NPN  |
| M6827011  | BL20-2DI-120/230VAC-P     | 2 Digital Input, 120/230VAC, PNP   |
| M6827012  | BL20-4DI-24VDC-P          | 4 Digital Input, 24VDC, PNP  |
| M6827013  | BL20-4DI-24VDC-N          | 4 Digital Input, 24VDC, NPN  |
| M6827212  | BL20-4DI-NAMUR            | 4 Digital Input, NAMUR   |
| M6827227  | BL20-E-8DI-24VDC-P        | Economy 8 Digital Input, 24VDC, PNP  |
| M6827014  | BL20-16DI-24VDC-P         | 16 Digital Input, 24VDC, PNP   |
| M6827231  | BL20-E-16DI-24VDC-P       | Economy 16 Digital Input, 24VDC, PNP   |
| M6827015  | BL20-32DI-24VDC-P         | 32 Digital Input, 24VDC, PNP   |
| M6827024  | BL20-2DO-24VDC-0.5A-P     | 2 Digital Output, 24VDC, 0.5A, PNP   |
| M6827025  | BL20-2DO-24VDC-0.5A-N     | 2 Digital Output, 24VDC, 0.5A, NPN   |
| M6827026  | BL20-2DO-24VDC-2A-P       | 2 Digital Output, 24VDC, 2A, PNP   |
| M6827028  | BL20-2DO-R-NC             | 2 Relay Output, Normally Closed  |
| M6827029  | BL20-2DO-R-NO             | 2 Relay Output, Normally Open  |
| M6827030  | BL20-2DO-R-CO             | 2 Relay Output, Crossover (1 Normally Open and 1 Normally Closed)                                |
| M6827137  | BL20-2DO-120/230 VAC-0.5A | 2 Digital Output, 120/230VAC, 0.5A, PNP  |
| M6827023  | BL20-4DO-24VDC-0.5A-P     | 4 Digital Output, 24VDC, 0.5A, PNP   |
| M6827226  | BL20-E-8DO-24VDC-0.5A-P   | Economy 8 Digital Output, 24VDC, 0.5A, PNP   |
| M6827027  | BL20-16DO-24VDC-0.5A-P    | 16 Digital Outputs, 24VDC, 0.5A, PNP   |
| M6827230  | BL20-E-16DO-24VDC-0.5A-P  | Economy, 16 Digital Outputs, 24VDC, 0.5A, PNP  |
| M6827220  | BL20-32DO-24VDC-0.5A-P    | 32 Digital Outputs, 24VDC, 0.5A, PNP   |
| M6827007  | BL20-PF-24VDC-D           | Power Feed Module, 24VDC, feeds field power for all slices to right                              |
| M6827008  | BL20-PF-120/230VAC-D      | Power Feed Module, 120/230VAC, feeds field power for all slices to right                         |
| M6827006  | BL20-BR-24VDC-D           | Bus Refreshing Module, 24VDC, refreshes backplane power, use IO Assistant to determine necessity |
| M6827018  | BL20-1AI-I(0/4...20MA)    | 1 Analog Input, Current, Configurable 0-20mA or 4-20mA   |

| ID Number | Part Number                | Description  |
|-----------|----------------------------|--|
| M6827021  | BL20-2AI-I(0/4...20MA)     | 2 Analog Inputs, Current, Per Channel Configurable 0-20mA or 4-20mA  |
| M6827022  | BL20-2AI-U(-10/0...+10VDC) | 2 Analog Inputs, Voltage, Per Channel Configurable 0-10V or -10-10V  |
| M6827331  | BL20-2AIH-I                | 2 Analog Inputs, Current, Per Channel Configurable 0-20mA or 4-20mA, HART Communications                           |
| M6827017  | BL20-2AI-PT/NI-2/3         | 2 Analog Inputs, 2 or 3 wire RTD   |
| M6827020  | BL20-2AI-THERMO-PI         | 2 Analog Inputs, Thermocouples   |
| A9570     | BL20-4AI-U/I               | 4 Analog Inputs, Per Channel Configurable Current or Voltage   |
| M6827325  | BL20-E-8AI-U/I-4PT/NI      | Economy 8 Analog Inputs, Per Channel Configurable Current or Voltage or RTD (RTD Requires 2 Analog Input Channels) |
| M6827032  | BL20-1AO-I(0/4...20MA)     | 1 Analog Output, Current, Configurable 0-20mA or 4-20mA  |
| M6827034  | BL20-2AO-I(0/4...20MA)     | 2 Analog Output, Current, Per channel Configurable 0-20mA or 4-20mA  |
| M6827033  | BL20-2AO-U(-10/0...+10VDC) | 2 Analog Output, Voltage, Per Channel Configurable 0-10V or -10-10V  |
| M6827332  | BL20-2AOH-I                | 2 Analog Output, Current, Per channel Configurable 0-20mA or 4-20mA, with HART Communications                      |
| M6827328  | BL20-E-4AO-U/I             | Economy 4 Analog Output, Per Channel Voltage or Current  |
| M6827306  | BL20-2RFID-S               | 2 Channel RFID Module, 8 bytes of data per Read/Write Command  |
| M6827233  | BL20-2RFID-A               | 2 Channel RFID Module, 1024 bytes of data per Read/Write Command, Only for use with Programmable Gateways          |
| M6827031  | BL20-1CNT-24VDC            | 1 Channel High Speed Counter, max count 200khz, max measurement speed 500khz                                       |
| M6827166  | BL20-1SSI                  | 1 Channel SSI Interface  |
| M6827169  | BL20-1RS232                | 1 Channel RS232 Interface  |
| M6827165  | BL20-1RS485/422            | 1 Channel RS485/RS422, Configurable  |
| M6827251  | BL20-E-1SWIRE              | Motor Starter Module, Controls up to 16 Direct Motor Starters  |

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