BL67: PARTS OVERVIEW

BL67 Gateways Part Number Key

BL | 67 - GW - EN - IP - DN - [ ]

Modular IO System

Environment

67 = On-Machine IP67 System

Gateway Type

GW = Standard Gateway
PG = Programmable Gateway

Network

EN = Ethernet
DPV1 = PROFIBUS DPV1
DP = PROFIBUS DPVO
DN = DeviceNet
CO = CANopen

Ethernet Type

(blank) = Modbus TCP/IP
IP = EtherNet/IP
PN = PROFINET

Subnet Type

DN = DeviceNet Master

Special Connector Options

T = Built-in 7/8-16 UN (***minifast***®) tee on CANopen Gateway

ID Number	Part Number	Description
M6827229	BL67-GW-EN-IP	EtherNet/IP Gateway
M6827246	BL67-PG-EN-IP	Programmable Ethernet/IP Gateway
M6827299	BL67-GW-EN-IP-DN	EtherNet/IP Gateway with DeviceNet subnet
M6827335	BL67-PG-EN-IP-DN	Programmable Ethernet/IP Gateway with DeviceNet subnet
M6827214	BL67-GW-EN	Modbus TCP/IP Gateway
M6827241	BL67-PG-EN	Programmable Modbus TCP/IP Gateway
M6827313	BL67-GW-EN-DN	Modbus TCP/IP Gateway with DeviceNet subnet

ID Number	Part Number	Description
M6827334	BL67-PG-EN-DN	Programmable Modbus TCP/IP Gateway with DeviceNet subnet
M6827228	BL67-GW-EN-PN	PROFINET Gateway
M6827183	BL67-GW-DN	DeviceNet Gateway
M6827232	BL67-GW-DPV1	PROFIBUS DPV1 Gateway
M6827240	BL67-PG-DP	Programmable PROFIBUS Gateway
M6827200	BL67-GW-CO	CANopen Gateway
M6827289	BL67-GW-CO-T	CANopen Gateway with ***minifast*** Bus Connectors

BL67 Bases Part Number Key

BL | 67 - B - 1 | M16 - 14 - 0.5M - [ ]

Modular IO System

Environment

67 = On-Machine IP67 System

Base

B = Base

Number of Connectors

1 = 1 Connector
2 = 2 Connectors
4 = 4 Connectors
8 = 8 Connectors

Type of Connectors

M8 = ***picofast*** ® - M8x1
M12 = ***eurofast*** ® - M12x1
M16 = ***versafast*** ® - M16x0.75
M23 = ***multifast*** ® - M23x1
RSM = Male ***minifast*** ® Power connector - 7/8-16UN

Number of Pins

(blank) = Standard Number for connector
4 = 4 Pins
8 = 8 Pins
14 = 14 Pins
19 = 19 Pins

Length of built-in Cordset

Unique Identifier

P = Paired Base, (eg: in 4M12 standard pinout has 0 and 4 on first connector, P base has 0 and 1 on first connector)
VO = Power Feed base that only refreshes Output voltage and carries input voltage from previous segment
VI = Available power pins are directly connected to backplane power, not fused by slice.

ID Number	Part Number	Description
M6827185	BL67-B-1M12	1 ***eurofast*** M12 Connector
M6827193	BL67-B-1M12-8	1 ***eurofast*** M12 Connector, 8 pin
M6827186	BL67-B-2M12	2 ***eurofast*** M12 Connectors
M6827194	BL67-B-2M12-P	2 ***eurofast*** M12 Connectors, Paired Base*
M6827187	BL67-B-4M12	4 ***eurofast*** M12 Connectors
M6827195	BL67-B-4M12-P	4 ***eurofast*** M12 Connectors, Paired Base*
M6827189	BL67-B-4M8	4 ***picofast*** M8 Connectors
M6827188	BL67-B-8M8	8 ***picofast*** M8 Connectors

ID Number	Part Number	Description
M6827213	BL67-B-1M23	1 ***multifast*** M23 Connector
M6827290	BL67-B-1M23-VI	1 ***multifast*** M23 Connector, direct connection to Vi and Vo
M6827216	BL67-B-1M23-19	1 ***multifast*** M23 Connector, 19 pin
BL10002	BL67-B-1M16-14-0.5M	1 ***multifast*** M16 Connector, Built in 0.5 meter Cordset
BL10003	BL67-B-1M16-19-0.5M	1 ***multifast*** M16 Connector, 19 pin, Built in 0.5 meter Cordset
M6827190	BL67-B-1RSM	1 ***minifast*** Power Connector
M6827201	BL67-B-1RSM-4	1 ***minifast*** Power Connector, 4 pin
M6827236	BL67-B-1RSM-VO	1 ***minifast*** Power Connector, only refreshes Vo and passes Vi

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

Paired bases are different than standard bases:
Standard bases have first connector on I/O points 0 and 4.
Paired bases have first connector on I/O points 0 and 1.

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.

BL67: PARTS OVERVIEW

BL67 Slices Part Number Key

BL | 67 - 8 | DO - 0.5A - P

Modular IO System

Environment

67 = On-Machine IP67 System

Number of IO

1 = 1 Channel
2 = 2 Channels
4 = 4 Channels
8 = 8 Channels
16 = 16 Channels

Type of IO

DI = Digital Inputs
DO = Digital Outputs
XSG = Configurable Digital Inputs or Outputs
AI = Analog Inputs
AO = Analog Outputs
RFID = Radio Frequency Identification
CNT/ENC = High Speed Counter
SSI = SSI Encoder Interface
CVI = CANopen Valve Interface
RS232 = RS232 Serial
RS485/422 = RS485 or RS422 Serial
PF = Power Feed

IO Descriptors

Output Descriptors
0.1A = 100mA outputs
0.5A = 500mA outputs
2A = 2A outputs
R = Relay Outputs

Analog Descriptors
I = Current
V = Voltage
PT = RTD
TC = Thermocouple

Discrete IO Secondary Descriptor

P = PNP, positive switching
N = NPN, negative switching
PD = PNP, positive switching with per port Diagnostics
NO = Normally Open Relays

ID Number	Part Number	Description
M6827171	BL67-4DI-P	4 Digital Inputs, PNP
M6827204	BL67-4DI-PD	4 Digital Inputs, PNP, Individual Port Diagnostics
M6827206	BL67-4DI-N	4 Digital Inputs, NPN
M6827170	BL67-8DI-P	8 Digital Inputs, PNP
M6827205	BL67-8DI-PD	8 Digital Inputs, PNP, Individual Port Diagnostics
M6827207	BL67-8DI-N	8 Digital Inputs, NPN
M6827173	BL67-4DO-0.5A-P	4 Digital Outputs, 0.5 Amps, PNP
M6827174	BL67-4DO-2A-P	4 Digital Outputs, 2 Amps, PNP
M6827210	BL67-4DO-2A-N	4 Digital Outputs, 2 Amps, NPN
M6827308	BL67-4DO-4A-P	4 Digital Outputs, 4 Amps, PNP
M6827172	BL67-8DO-0.5A-P	8 Digital Outputs, 0.5 Amps, PNP
M6827209	BL67-8DO-0.5A-N	8 Digital Outputs, 0.5 Amps, NPN
M6827277	BL67-8DO-R-NO	8 Relay Ouputs, Normally Open
M6827221	BL67-16DO-0,1A-P	16 Digital Outputs, 0.1 Amps, PNP
M6827303	BL67-16DO-0.1A-PNR	16 Digital Outputs, 0.1 Amps, PNP, Non-Resettable Parameters
M6827203	BL67-4DI4DO-PD	4 Digital Inputs, 4 Digital Outputs, PNP, Individual Port Diagnostics
M6827310	BL67-8XSG-P	8 Configurable Inputs/Outputs, PNP
M6827208	BL67-8XSG-PD	8 Configurable Inputs/Outputs, PNP, Individual Port Diagnostics

ID Number	Part Number	Description
M6827175	BL67-2AI-I	2 Analog Inputs, Current, Configurable 0-20mA or 4-20mA
M6827176	BL67-2AI-V	2 Analog Inputs, Voltage Configurable 0-10V or -10-10V
M6827177	BL67-2AI-PT	2 Analog Inputs, RTD
M6827178	BL67-2AI-TC	2 Analog Inputs, Thermocouple
M6827222	BL67-4AI-V/I	4 Analog Inputs, Configurable Voltage/Current
M6827179	BL67-2AO-I	2 Analog Outputs, Current, Configurable 0-20mA or 4-20mA
M6827180	BL67-2AO-V	2 Analog Outputs, Voltage, Configurable 0-10V or -10-10V
M6827333	BL67-4AO-V	4 Analog Outputs, Voltage, Configurable 0-10V, -10-10V
M6827324	BL67-2AI2AO-V/I	2 Analog Inputs, Configurable Current/Voltage; 2 Analog Outputs, Voltage Only
M6827312	BL67-4AI4AO-V/I	4 Analog Inputs, Configurable Voltage/Current; 4 Analog Outputs, Voltage Only
M6827181	BL67-1RS232	RS232 Interface Slice
M6827192	BL67-1RS485/422	RS485/422 Interface Slice
M6827224	BL67-1CNT/ENC	High Speed Counter/Encoder Module
M6827191	BL67-1SSI	SSI Interface Slice (Encoders)
M6827223	BL67-1CVI	CANopen Valve Interface Slice
M6827305	BL67-2RFID-S	2 Channel RFID Module, 8 bytes of data per Read/Write Command
M6827225	BL67-2RFID-A	2 Channel RFID Module, 1024 bytes of data per Read/Write Command, Only for use with Programmable Gateways

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