

On-Machine Modular I/O

On-machine (IP67) modular I/O does not require an enclosure, allowing it to be mounted directly on the machine. TURCK on-machine modular I/O offers quick connection and flexible performance.

BL67 System

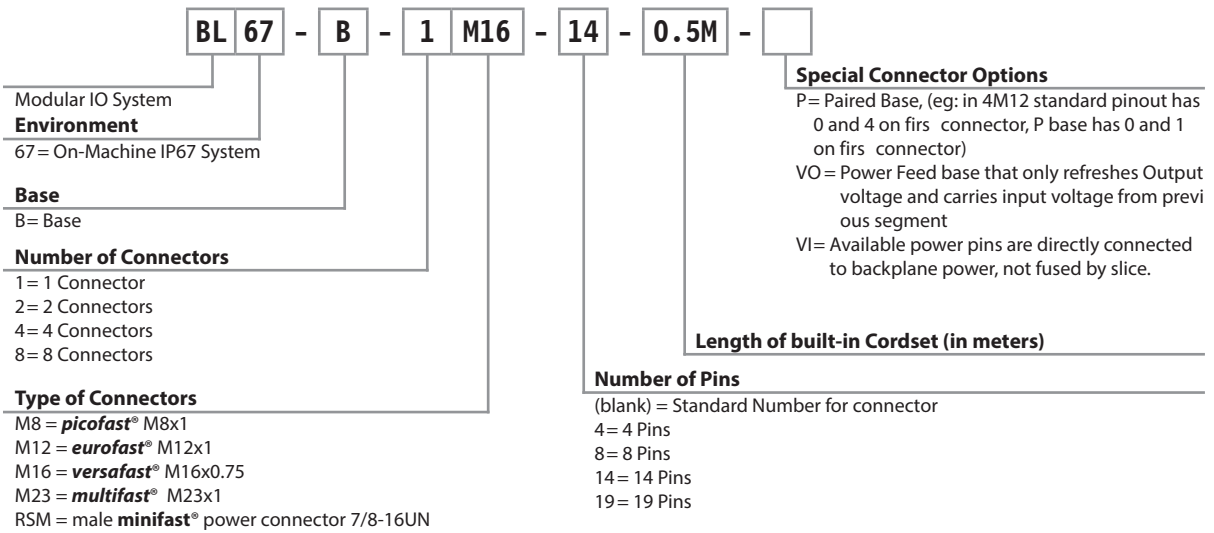
The BL67 system is a completely modular and connectorized I/O system. With IP67-rated protection, the BL67 is rugged enough to be mounted directly on the machine, while flexible enough to handle all of the various I/O signals in the field. Enabling operators to create a unique and custom solution for diverse applications, the BL67 system allows use of any fieldbus gateway with any I/O module, in addition to multiple connectorized bases, depending upon the application.



BL67 Features

- Multiprotocol gateway with interface to the higher level control system
- Programmable features for local or distributed control
- Mix and match slices to create the ideal mix of I/O
- I/O subnet option to elevate device level I/O to Ethernet
- System can integrate up to 32 slices
- Multiple connectorized bases available, including M12 **eurofast**®, M8 **picofast**®, M23 **multifast**® and 7/8 **minifast**® connections

BL67 Bases Part Number Key



BL67 Digital I/O Slices

- IP67 Protection
- M12 eurofast, M8 picofast, and M23 multifast Connectivity
- All I/O Short-circuit Protected
- Separate I/O Electronics and Wiring Base
- PNP and NPN Options
- Multiple Power Options, from 0.1A to 4A
- Combined Input and Output Modules Reduce Inventory Needs
- Deluxe Diagnostics Available to Facilitate Various Power Scenarios



Housing Style	Part Number	Number of Inputs	Number of Outputs	Power of Outputs
	BL67-4DI-P	4		
	BL67-4DI-N	4		
	BL67-4DI-PD	4		
	BL67-8DI-P	8		
	BL67-8DI-N	8		
	BL67-8DI-PD	8		
	BL67-4DO-0.5A-P		4	0.5A
	BL67-4DO-2A-P		4	2A
	BL67-4DO-2A-N		4	2A
	BL67-4DO-4A-P		4	4A
	BL67-8DO-0.5A-P		8	0.5A
	BL67-8DO-0.5A-N		8	0.5A
	BL67-16DO-0.1A-P		16	0.1A
	BL67-4DI4DO-PD	4	4	0.5A
	BL67-8XSG-P	8	8	0.5A
	BL67-8XSG-PD	8	8	0.5A

Type of I/O	Approvals	Deluxe Diagnostics	Base Modules							
			M8 Connectors		M12 Connectors				M23 Connectors	
			BL67-B-4M8	BL67-B-8M8	BL67-B-2M12	BL67-B-2M12-P	BL67-B-4M12	BL67-B-4M12-P	BL67-B-1M23	BL67-B-M23-19
PNP	CE, UL		x		x	x	x		x	
NPN	CE		x		x	x	x		x	
PNP	CE, UL	x	x		x		x			
PNP	CE, UL			x			x	x	x	
NPN	CE, UL			x			x	x	x	
PNP	CE, UL	x		x			x		x	
PNP	CE, UL		x		x	x	x		x	
PNP	CE, UL		x		x	x	x		x	
NPN	CE, UL		x		x	x	x		x	
PNP	CE, UL		x		x	x	x		x	
PNP	CE, UL			x			x	x	x	
NPN	CE, UL			x			x	x	x	
PNP	CE	x								x
PNP	CE	x		x			x	x	x	
PNP	CE, UL			x			x	x	x	
PNP	CE, UL	x		x			x	x		

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DISTRIBUTED I/O SALES GUIDE



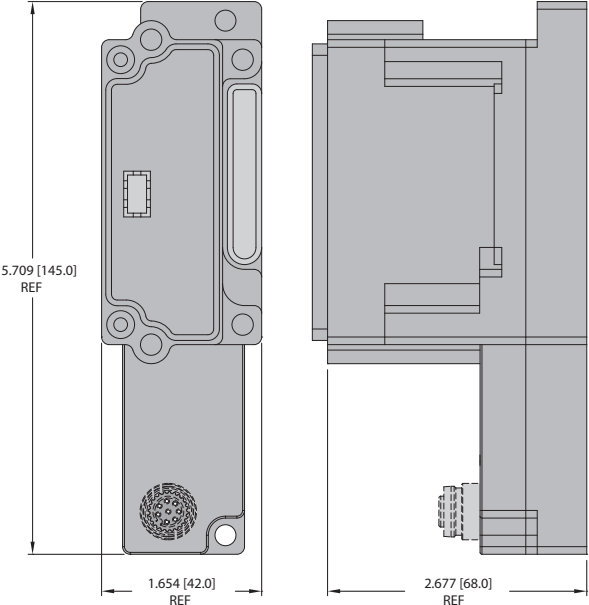
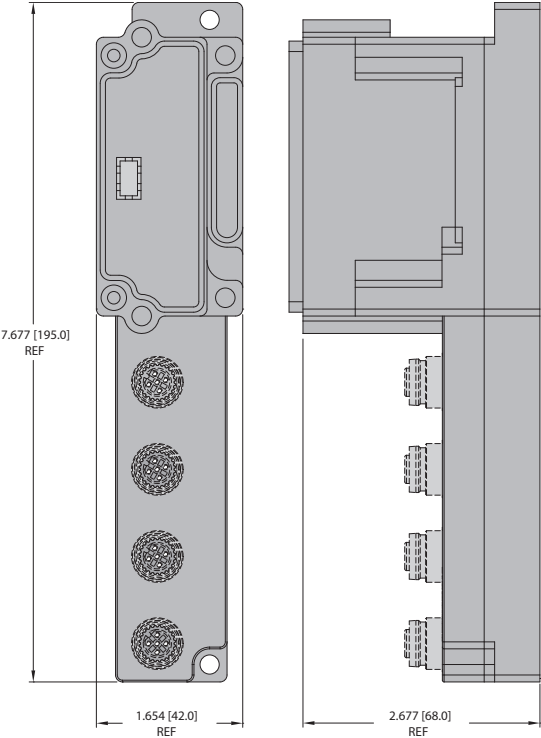
																Base Modules							
Approvals	Thermocouple Inputs	RTD Inputs	0-20mA Output	4-20mA Output	0-10V Output	-10-10V Output	RFID	RS232	RS485/422	SSI	Counter/Encoder	CANOpen	Power Feed	# of Input Channels	# of Output Channels	BL67-B-2M12	BL67-B-4M12	BL67-B-1M12	BL67-B-1M12-8	BL67-B-1M23	BL67-B-1M23-VI	BL67-B1RSM	BL67-B-RSM-4
CE, UL														2		x							
CE, UL														2		x							
CE, UL														4			x						
CE, UL	x													2		x							
CE, UL		x												2		x							
CE, UL			x	x											2	x							
CE, UL					x	x									2	x							
CE, UL					x	x									4		x						
CE, UL					x	x								2	2		x						
CE, UL					x	x								4	4		x						
CE, UL							x							2		x							
CE, UL							x							2		x							
CE								x						1				x	x	x	x		
CE, UL									x					1				x	x	x	x		
CE, UL										x				1				x	x	x	x		
CE											x			1					x	x			
CE, UL												x		1				x					
CE, UL													x	1								x	x

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BL67 Bases



Housing Style	BL67 Wiring Bases
	BL67-B-1M12
	BL67-B-1M12-8
	BL67-B-2M12
	BL67-B-2M12-P
	BL67-B-4M8
	BL67-B-1M23
	BL67-B-1M23-VI
	BL67-B-1M23-19
	BL67-B-RSM
	BL67-B-RSM-4
	BL67-B-4M12
	BL67-B-4M12-P
	BL67-B-8M8