



multibox[®] picofast[®] Junction Boxes, 4-port, 3-Pin

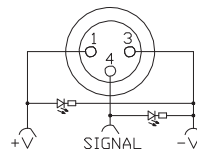
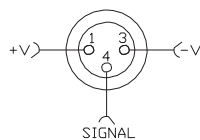
- Snap Lock or Threaded Connectors
- Available with or without LEDs
- Quick Disconnect or Integral Home Run Cable

4-port, Snap Lock, 10-48 VDC

Application	Specifications	Pinout	No LEDs	PNP LED
4-port J-box Snap lock connectors Top Integral cable	3 A/port, 3 A total Black PVC 6/24 AWG	Function Color +V BN - V BU Port 1 WH Port 2 GN Port 3 YE Port 4 GY	VB 403Z-*	VB 403Z-PX5-*
4-port J-box 1 signal per port Snap lock connectors Side Integral cable	3 A/port 4 A total Black PVC cable 6/24 AWG		VB 403Z-*C	VB 403Z-PX5-*C
4-port J-box Snap lock connectors eurofast connector	3 A/port, 3 A total 8-pin eurofast connector 6 conductors mates with RKC 8.6T-*	<u>Function</u> <u>Pin</u> +V 5 - V 7 Port 1 1 Port 2 2 Port 3 3 Port 4 4	VB 403Z-FS 8	VB 403Z-PX5-FS 8

4-port, Threaded, 10-48 VDC

Application	Specifications	Pinout	No LEDs	PNP LED
4-port J-box Threaded connectors Top Integral connector	3 A/port, 3 A total Black PVC 6/24 AWG	Function Color +V BN - V BU Port 1 WH Port 2 GN Port 3 YE Port 4 GY	VB 403M-*	VB 403M-PX5-*
4-port J-box 1 signal per port Threaded conductors Side Integral cable	3 A/port 4 A total Black PVC cable 6/24 AWG		VB 403M-*C	VB 403M-PX5-*C
4-port J-box Threaded connectors eurofast connector	3 A/port, 3 A total 8-pin eurofast connector 6 conductors mates with RKC 8.6T-*	<u>Function</u> <u>Pin</u> +V 5 - V 7 Port 1 1 Port 2 2 Port 3 3 Port 4 4	VB 403M-FS 8	VB 403M-PX5-FS 8

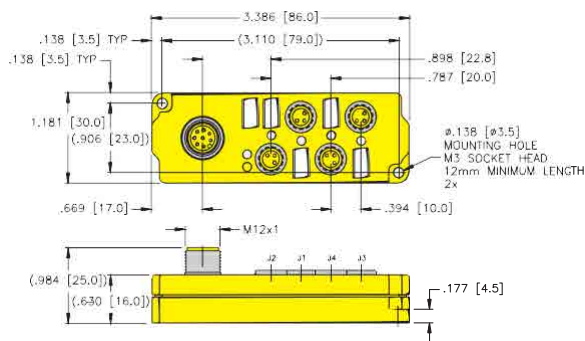


Cable length:

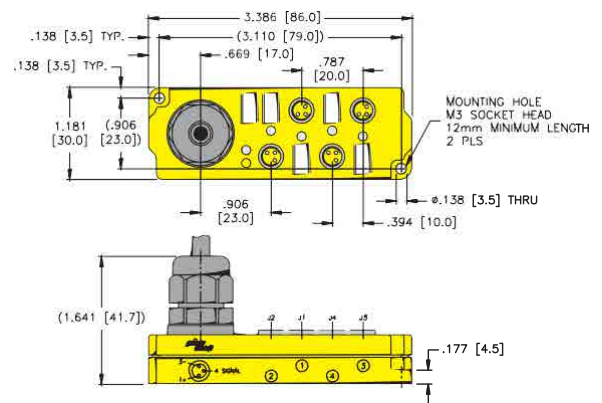
Standard length for junction boxes and M16 quick disconnect cordsets is nominal 5 meters.
Other lengths available by request - Consult factory.

Dimensions

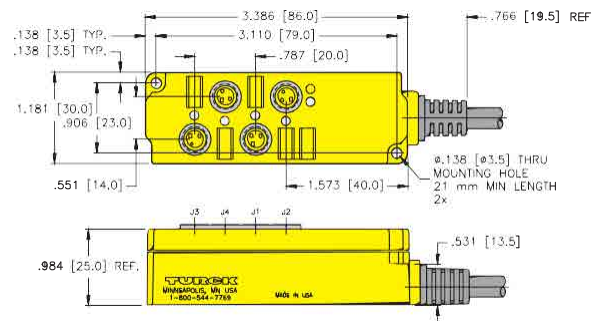
4-Port with *eurofast* Home Run Connector



4-Port with Integral Home Run Cable



4-Port with Side Integral Home Run Cable



Pinout

Female	Male
3-pin <i>picofast</i>	8-pin <i>eurofast</i>



multibox[®] picofast[®] Junction Boxes, 8-port, 3-Pin

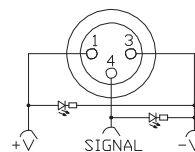
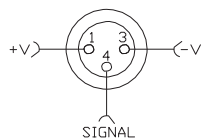
- Snap Lock or Threaded Connectors
- Available with or without LEDs
- Quick Disconnect or Integral Home Run Cable

8-port, Snap Lock, 10-48 VDC

Application	Specifications	Pinout				No LEDs	PNP LED
8-port j-box Snap lock connectors Top Integral cable	3 A/port, 3 A total Black PVC cable 10/24 AWG	<u>Function</u> +V - V Port 1 Port 2 Port 3	<u>Color</u> BN BU WH GN YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Color</u> GY PK RD BK VT	VB 803Z-*	VB 803Z-PX9-*
8-port J-box 1 signal per port Snap lock connectors Side Integral cable	3 A/port, 4 A total Black PVC cable 10/24 AWG					VB 803Z-*C	VB 803Z-PX9*C
8-port J-box, Snap lock connectors M16 connector	3 A/port, 3 A total 14 pin M16 connector 10 conductors mates with BKM 14-836-*	<u>Function</u> +V - V Port 1 Port 2 Port 3	<u>Pin/Color</u> M/BN U/BU P/WH E/GN O/YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Pin/Color</u> C/GY N/PK R/RD G/BK S/VT	VB 803Z-BS14	VB 803Z-PX9-BS14

8-port, Threaded, 10-48 VDC

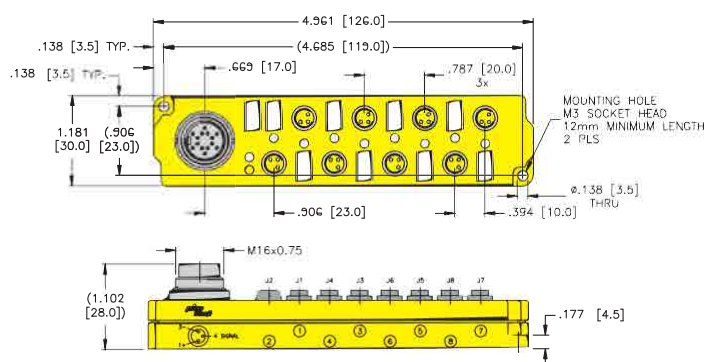
Application	Specifications	Pinout				No LEDs	PNP LED
8-port j-box Threaded connectors Top Integral cable	3 A/port, 3 A total Black PVC cable 10/24 AWG	<u>Function</u> +V - V Port 1 Port 2 Port 3	<u>Color</u> BN BU WH GN YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Color</u> GY PK RD BK VT	VB 803M-*	VB 803M-PX9-*
8-port J-box 1 signal per port Threaded connectors Side Integral cable	3 A/port, 4 A total Black PVC cable 10/24 AWG					VB 803M-*C	VB 803M-PX9-*C
8-port J-box, Threaded connectors M16 connector	3 A/port, 3 A total 14 pin M16 connector 10 conductors mates with BKM 14-836-*	<u>Function</u> +V - V Port 1 Port 2 Port 3	<u>Pin/Color</u> M/BN U/BU P/WH E/GN O/YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Pin/Color</u> C/GY N/PK R/RD G/BK S/VT	VB 803M-BS14	VB 803M-PX9-BS14



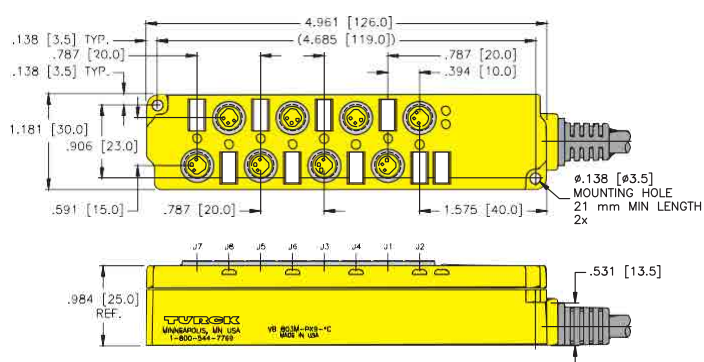
Cable Length: Standard length for junction boxes and M16 quick disconnect cordsets is nominal 5 meters.
Other lengths available by request. Consult factory.

Dimensions

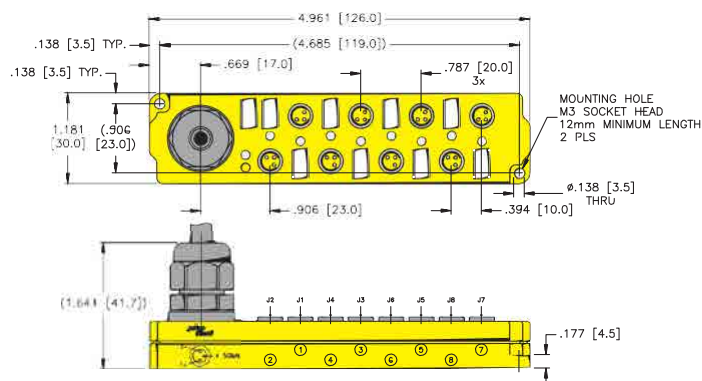
8-Port with *eurofast* Home Run Connector



8-Port with Side Integral Home Run Cable



8-Port with Top Integral Home Run Cable



Pinout

Female	Male
3-pin <i>picofast</i>	14-pin <i>versafast</i> ®

4-port, 4-pin, Snap Lock, 10-48 VDC

Application	Specifications	Pinout				No LEDs
4-port J-box 2 signals per port Snap lock connectors Top integral cable	3 A/port, 4 A total Black PVC cable 10/24 AWG foil shield and 26 AWG drain	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VB 404Z-*
4-port J-box 2 signals per port Snap lock connectors Side integral cable		+V	BN	Port 3/2	GN	VB 404Z-*C
		- V	BU	Port 3/4	WH	
		Port 1/2	RD	Port 4/2	BK	
		Port 1/4	PK	Port 4/4	VT	
		Port 2/2	YE			
		Port 2/4	GY			
4-port J-box 2 signals per port Snap lock connectors M16 connector	2 A/port, 3 A total w/1 power pair 6 A total w/dual power 14-pin M16 connector 10/12 conductors Mates with BKM 14-917-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	VB 404Z-BS14
		+V	A/RD/BU	Port 2/2	O/YE	
		- V	L/GY/PK	Port 2/4	C/GY	
		+V	M/BN	Port 3/2	E/GN	
		- V	U/BU	Port 3/4	P/WH	
		Port 1/2	R/RD	Port 4/2	G/BK	
		Port 1/4	N/PK	Port 4/4	S/VT	

4-port, 4-pin, Threaded, 10-48 VDC

Application	Specifications	Pinout				No LEDs
4-port J-box 2 signals per port Threaded connectors Top integral cable	3 A/port, 4 A total Black PVC cable 10/24 AWG foil shield and 26 AWG drain	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VB 404M-*
4-port J-box 2 signals per port Threaded connectors Side integral cable		+V	BN	Port 2/4	GY	VB 404M-*C
		- V	BU	Port 3/2	GN	
		Port 1/2	RD	Port 3/2	WH	
		Port 1/4	PK	Port 4/2	BK	
		Port 2/2	YE	Port 4/4	VT	
4-port J-box 2 signals per port Threaded connectors M16 connector	2 A/port 3 A total w/1 power pair 6 A total w/dual power 14-pin M16 connector 10/12 conductors Mates with BKM 14-917-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	VB 404M-BS14
		+V	A/RD/BU	Port 2/2	O/YE	
		- V	L/GY/PK	Port 2/4	C/GY	
		+V	M/BN	Port 3/2	E/GN	
		- V	U/BU	Port 3/4	P/WH	
		Port 1/4	R/RD	Port 4/2	G/BK	
		Port 1/2	N/PK	Port 4/4	S/VT	

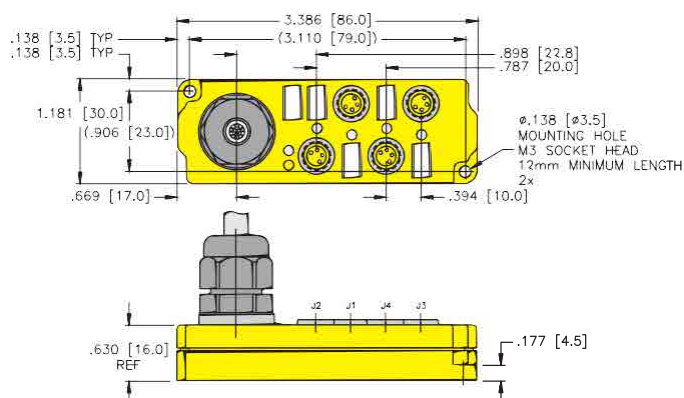
* Cable length in meters.

Functional Wiring Diagrams

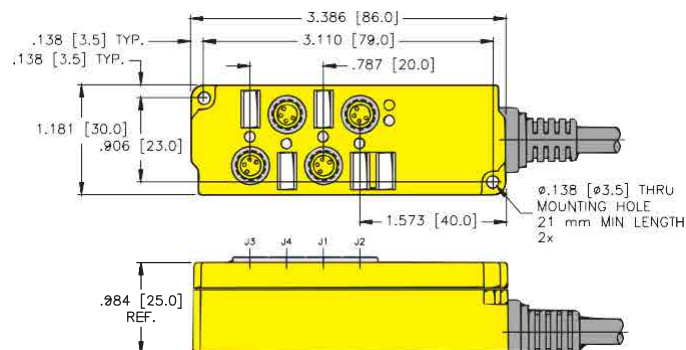
Housing: Nylon.
Connectors: PUR (J1-J4), Nylon P1.
Contacts: Gold plated brass.
Thread Inserts: Nickel plated brass.
Cable: See table.
LED Current: 10 mA maximum at 48 VDC supply voltage (per LED).
Temperature: -30°C to +80°C (-22°F to +176°F)
Protection: IEC IP 67.
Accessories: KS 5/10 labels, 2 pieces PSG-CC (snap lock) or PSGM-CC (threaded) included.
Cable Length: Standard length is nominal 5 meters.
Recommended Splitter: YP2-MFS 4/2MFK 3, for threaded version only.

Dimensions

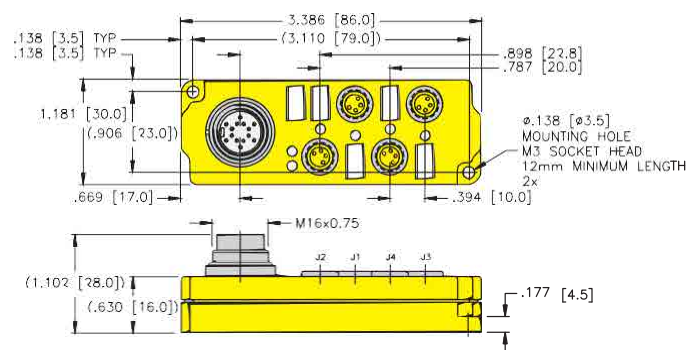
4-Port with Top Integral Home Run Cable



4-Port with Side Integral Home Run Cable



4-Port with versafast Home Run Connector



Pinout

Female	Male
4-pin <i>picofast</i>	14-pin <i>versafast</i>



multibox[®] picofast[®] Junction Boxes, 8-port, 4-pin

- Dual Output per Port
- Snap Lock or Threaded Connectors
- Quick Disconnect or Integral Home Run Cable

4-port, 4-pin, Snap Lock, 10-48 VDC

Application	Specifications	Pinout				Part Number
8-port J-box 2 signals per port Snap lock connectors Top integral cable	3 A/port, 4 A total Black PVC cable 10/24 AWG	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VB 804Z-*
8-port J-box 2 signals per port Snap lock connectors Side integral cable		- V	BU	Port 4/4	WH	VB 804Z-*C
		+V	BN	Port 5/2	PK	
		Port 1/2	RD	Port 5/4	GY	VB 804Z-BS19
		Port 1/4	OG	Port 6/2	YE / BN	
		Port 2/2	VT	Port 6/4	YE	VB 804Z-BS19
		Port 2/4	RD / BI	Port 7/2	GY / PK	
		Port 3/2	GY / BN	Port 7/4	WH / GN	VB 804Z-BS19
		Port 3/4	Tn	Port 8/2	WH / YE	
		Port 4/2	BK	Port 8/4	GN	
8-port J-box 2 signals per port Snap lock connectors M16 connector	3 A/port, 4 A total 19-pin M16 connector 18 conductor Mates with BKM 19-995-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	
		+V	L/BN	Port 4/4	P/WH	
		- V	A/BU	Port 5/2	G/PK	
		Port 1/2	R/RD	Port 5/4	S/GY	
		Port 1/4	M/OG	Port 6/2	K/YE/BN	
		Port 2/2	O/VT	Port 6/4	T/YE	
		Port 2/4	C/RD/BU	Port 7/2	B/GY/PK	
		Port 3/2	N/GY/BN	Port 7/4	D/WH/GN	
		Port 3/4	U/TN	Port 8/2	H/WH/YE	
		Port 4/2	E/BK	Port 8/4	I/GN	

8-port, 4-pin, Threaded, 10-48 VDC

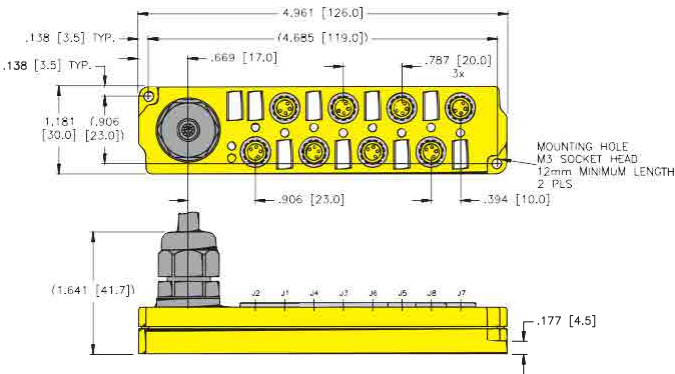
Application	Specifications	Pinout				Part Number
8-port J-box 2 signals per port Threaded connectors Top integral cable	3 A/port, 4 A total Black PVC cable 10/24 AWG	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VB 804M-*
8-port J-box 2 signals per port Threaded connectors Side integral cable		- V	BU	Port 4/4	WH	VB 804M-*C
		+V	BN	Port 5/2	PK	
		Port 1/2	RD	Port 5/4	GY	VB 804M-BS19
		Port 1/4	OG	Port 6/2	YE / BN	
		Port 2/2	VT	Port 6/4	YE	VB 804M-BS19
		Port 2/4	RD / BI	Port 7/2	GY / PK	
		Port 3/2	GY / BN	Port 7/4	WH / GN	VB 804M-BS19
		Port 3/4	Tn	Port 8/2	WH / YE	
		Port 4/2	BK	Port 8/4	GN	
8-port J-box 2 signals per port Threaded connectors M16 connector	3 A/port, 4 A total 19-pin M16 connector 18 conductor Mates with BKM 19-995-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	
		+V	L/BN	Port 4/4	P/WH	
		- V	A/BU	Port 5/2	G/PK	
		Port 1/2	R/RD	Port 5/4	S/GY	
		Port 1/4	M/OG	Port 6/2	K/YE/BN	
		Port 2/2	O/VT	Port 6/4	T/YE	
		Port 2/4	C/RD/BU	Port 7/2	B/GY/PK	
		Port 3/2	N/GY/BN	Port 7/4	D/WH/GN	
		Port 3/4	U/TN	Port 8/2	H/WH/YE	
		Port 4/2	E/BK	Port 8/4	I/GN	

Functional Wiring Diagrams

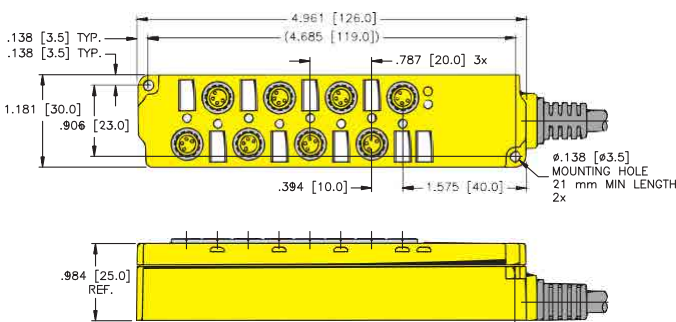
Housing:	Nylon/yellow.
Connectors:	Nylon/yellow.
Contacts:	Gold plated brass.
Thread Inserts:	Nickel plated brass.
Cable:	See table.
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP 67.
Accessories:	KS 5/10 labels, 2 pieces PSG-CC (snap lock) or PSGM-CC (threaded) included.
Cable Length:	Standard length is nominal 5 meters.
Recommended Splitter:	YP2-MFS 4/2 MFK3, for threaded version only.

Dimensions

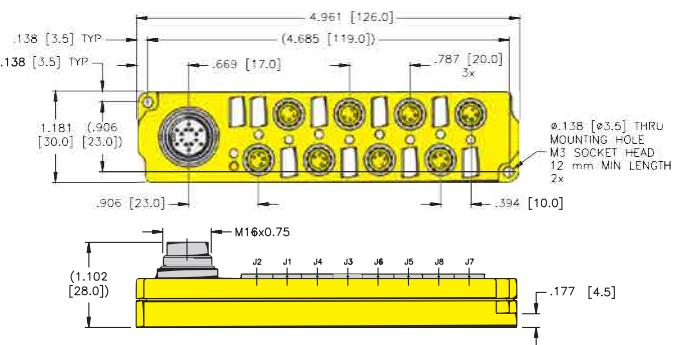
4-Port with Top Integral Home Run Cable



4-Port with Side Integral Home Run Cable



4-Port with *versafast* Home Run Connector



Pinout

Female	Male
4-pin <i>picofast</i>	19-pin <i>versafast</i>



multibox[®] picofast[®] Junction Boxes, 10-port

- 10 Inputs/Outputs
- Quick Disconnect or Integral Home Run Cable
- For Use with 3-pin Snap Lock *picofast* Cordsets
- Available with or without LEDs

10-port, J-box, Snap Lock, 48 VDC

Application	Specifications	Pinout		No LEDs	PNP LED
10-port J-box Standard wiring Integral cable	3 A/port, 3.0 A total Black PVC cable 12/24 AWG Foil shield and 26 AWG drain	<u>Function</u>	<u>Color</u>	VB 1003-*	VB 1003-PX10-*
		<u>Function</u>	<u>Color</u>		
		+V	BN	Port 5	Tn
		- V	BU	Port 6	WH
		Port 1	RD	Port 7	GN
		Port 2	BK	Port 8	YE
		Port 3	VT	Port 9	GY
		Port 4	OG	Port 10	PK



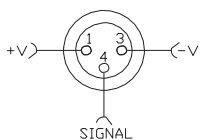
10-port, J-box, Snap Lock, 48 VDC

Application	Specifications	Pinout		No LEDs	PNP LED
10-port J-box Standard wiring M16 connector	3 A/port, 3.0 A total 14 pin connector M16 threads Mates with BKM 14-755-*	<u>Function</u>	<u>Pin/Color</u>	VB 1003-BS14	VB 1003-PX10-BS14
		<u>Function</u>	<u>Pin/Color</u>		
		+V	M/BN	Port 5	N/TN
		- V	U/BU	Port 6	R/WH
		Port 1	P/RD	Port 7	G/GN
		Port 2	E/BK	Port 8	S/YE
		Port 3	O/VT	Port 9	J/GY
		Port 4	C/OG	Port 10	T/PK

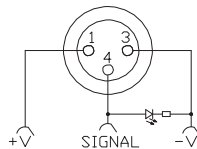
* Length in meters

Functional Wiring Diagrams

No LED Version



PNP LED Version



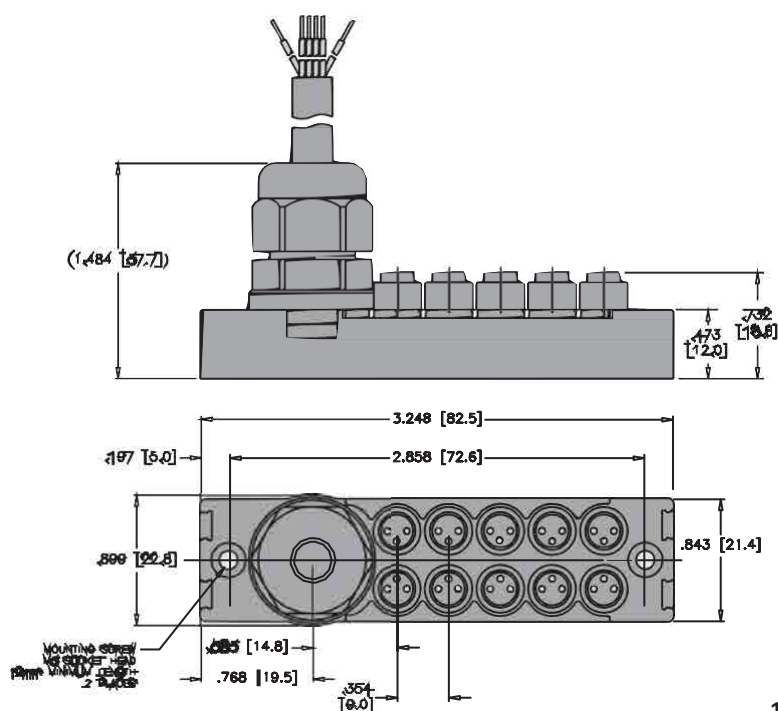
Pinouts

Female	Male
3-pin <i>picofast</i>	14-pin <i>multifast</i>

Housing:	Nylon.
Connectors:	PUR.
Contacts: LED	Gold plated brass.
Current:	10 mA maximum at 48 VDC supply voltage (per LED).
Temperature:	-30°C to +80°C (-22°F to +176°F).
Protection Class:	IEC IP 67.
Accessories:	Closure cap, PSG-CC (optional - 2 included).
Cable Length:	Standard length for junction boxes and M16 cordsets is nominal 5 meters. Other lengths available by request - Consult factory.

Dimensions

10-Port with Integral Home Run Cable



10-Port with M16 Home Run Connector

