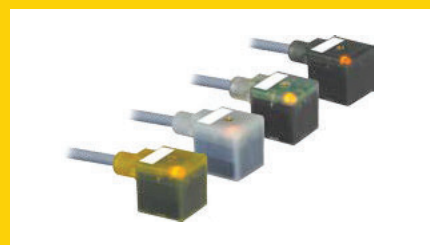


Part Number Keys	T3
Cordsets	T4
Splitters	T40
Field Wireables	T42

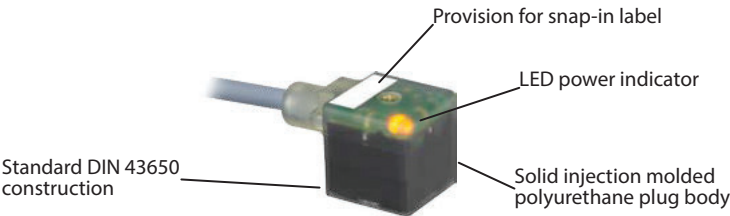
Features

- Environmentally protected electrical junction for use with hydraulic and pneumatic solenoid valves
- Available in A, B, I and C designs
- Options for wiring with LED, MOV or diode
- Provides rapid change out



Valve Plug Connectivity

Valve Connector Products



Cable Styles		
	Type "A" (18 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T4
	Type "A" (18 mm) 3 Conductors + Ground Straight Wired, Indicator LED, Indicator LED and MOV	T10
	Type "B" (10 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T14
	Type "I" (11 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T20
	Type "C" (8 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T26
	Type "C" (9.4 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T32
Extension Styles		
	Type "A" (18 mm) with Eurofast®, Picofast®, Minifast® and Microfast® Connectors	T6
	Type "A" (18 mm) 3 Conductors + Ground with Eurofast Connector	T12
	Type "B" (10 mm) with Eurofast, Picofast, Minifast and Microfast Connectors	T16
	Type "I" (11 mm) with Eurofast, Picofast, Minifast and Microfast Connectors	T22
	Type "C" (8 mm) with Eurofast, Picofast, Minifast and Microfast Connectors	T28
	Type "C" (9.4 mm) with Eurofast, Minifast and Microfast Connectors	T34
Double Ended Valve Connectors - Consult factory for availability		
Integral Connector Styles		
	Type "A" (18 mm) with Eurofast and Picofast Connectors	T38
	Type "B" (10 mm) and Type "I" (11 mm) with Picofast Connector	T38
2 Branch Molded Junctions with Valve Plugs		
	Types "A", "B", "I" and "C"	T40
Field Wireable Styles		
	Types "A", "B", "I" and "C"	T42

We reserve the right to make technical alterations without prior notice.

DIN 43650 Valve Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

V

A

S

22

-

F

653

-

*M

/S..

DIN 43650 Valve Cordset

T = cable exit on ground side

V = cable exit opposite ground side

H = cable exit opposite ground side on top of plug

Housing Style

A = type "A" (27.5 x 27.5 mm) 18 mm contact spacing

B = type "B" (21.5 x 28 mm) 10 mm contact spacing

I = type "I" (21.5 x 28 mm) 11 mm contact spacing

C8 = type "C" (16 x 16 mm 8 mm contact spacing

C9 = type "C" (16 x 16 mm) 9.4 mm contact spacing

Housing Color

G = Translucent grey

S = Translucent black

Y = Translucent yellow

(blank) = Clear

Designator for Receptacle

2 = 2 conductors, 1 ground

21 = 2 conductors, ground not connected

22 = 2 conductors, 1 ground, ground contacts parallel wired

3 = 3 conductors, 1 ground

4 = 3 conductors, 1 ground, additional wire for dual LED

Varieties

/S .. = consult factory, special

/S810 = Longer mounting screw

Insertion Point of Extension Cable Second Prefix*

* Valve connector listed first, other connector second

Example: VAS 22-F653-1M-RS 5.3T

Connection Type / Length in Meters

(blank) = field wireable

FS 5.3 = integrated M12 Eurofast® connector

V1131 = integrated M8 Picofast® connector

Number of Wires / AWG / Color Codes

(blank) = adapter

W = field wireable connector

544 = 4x18 AWG BN, WH, BK, BU

587 = 3x24 AWG BN, BU, BK

580 = 4x18 AWG BN, WH, BK, BU

642 = 3x24 AWG BN, BU, BK

644 = 4x18 AWG BN, BU, BK, WH

653 = 3x18 AWG BK, BK, GN/YE

654 = 3x18 AWG BN, BU, BK

658 = 3x18 AWG RD/BK, RD/WH, GN

669 = 3x18 AWG BK, BK, GN/YE

Wiring

A = straight through 0-220 VAC/DC

B = yellow LED 24-48 VAC/DC

C = yellow LED 110-220 VAC/DC

D = yellow LED/MOV. . . . 24-48 VAC/DC

E = yellow LED/MOV. . . . 110-220 VAC/DC

F = yellow LED/Diode . . . 24-48 VDC

K = two color LED for change over to switch 24 VDC

L = yellow LED 24 VAC/DC

M = yellow LED 48 VAC/DC

N = yellow LED 110 VAC/DC

P = yellow LED/MOV. . . . 24 VAC/DC

R = yellow LED/MOV. . . . 48 VAC/DC

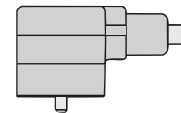
red = switch open position

green = switch closed position

Valve Plug Connectivity

Valve Connectors, Type "A" (18 mm)

- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 2 Conductors + Ground, Ground Contacts Parallel Wired



"A" Style Valve Connectors, Standard Color Code

Type A

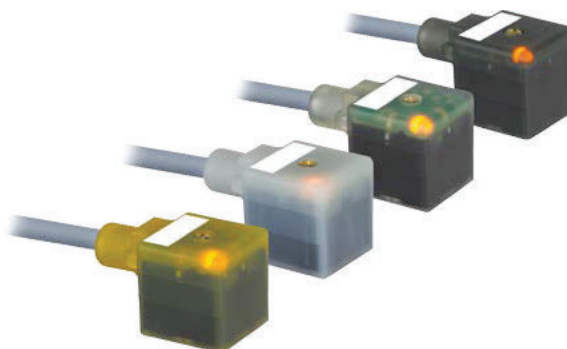
Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220 24-48 110-220	VAS 22-A653-*M ---- ----	---- VAS 22-B653-*M VAS 22-C653-*M	---- VAS 22-D653-*M VAS 22-E653-*M	---- VAS 22-F653-*M ----
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220 24-48 110-220	VAS 22-A669-*M ---- ----	---- VAS 22-B669-*M VAS 22-C669-*M	---- VAS 22-D669-*M VAS 22-E669-*M	---- VAS 22-F669-*M ----

"A" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Small diameter PVC	3/24 AWG, Yellow PVC 105 °C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220 24-48 110-220	VAS 22-A642-*M ---- ----	---- VAS 22-B642-*M VAS 22-C642-*M	---- VAS 22-D642-*M VAS 22-E642-*M	---- VAS 22-F642-*M ----
Small diameter TPU	3/24 AWG, Black TPU 90 °C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220 24-48 110-220	VAS 22-A587-*M ---- ----	---- VAS 22-B587-*M VAS 22-C587-*M	---- VAS 22-D587-*M VAS 22-E587-*M	---- VAS 22-F587-*M ----

* Length in meters.

We reserve the right to make technical alterations without prior notice.



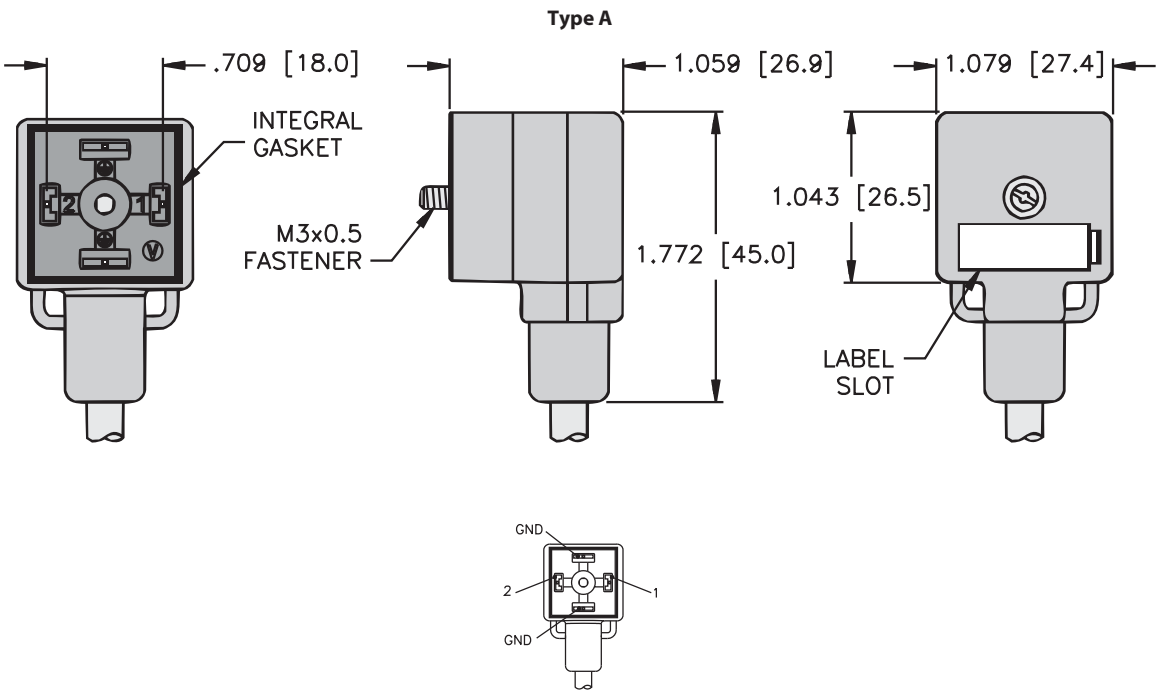
Valve Connectors, Type "A" (18 mm)

Specifications

- Connectors:
- Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:
- Silver plated copper alloy.
- Cable:
- See table.
- Cable Length:
- Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
- Protection Class:
- NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VAS .. or VAY .. to VAG ..
For other combinations or options, consult factory.

Dimensions



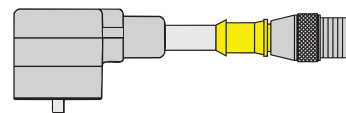
Wiring Diagrams

Straight Wired (A)	Indicator LED (B,C)	Indicator LED and MOV (D,E)	Indicator LED and Diode - DC (F)

Valve Plug Connectivity

Valve Connectors, Type "A" (18 mm) Extensions

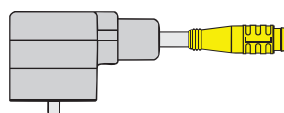
- Eurofast® and Picofast® Connectors
- Wired for Use with Junction Box
- 2 Conductors + Ground, (Eurofast), Ground Contacts Parallel Wired



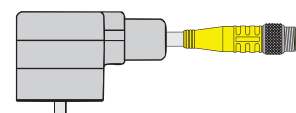
"A" Style Valve Connectors, Eurofast Extension

Eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG Grey PVC 105 °C 6.2 mm OD	0-220 24-48 110-220	VAS 22-A653-*M-RS 5.3T ---- ----	---- VAS 22-B653-*M-RS 5.3T VAS 22-C653-*M-RS 5.3T	---- VAS 22-D653-*M-RS 5.3T VAS 22-E653-*M-RS 5.3T	---- VAS 22-F653-*M-RS 5.3T ----
Standard duty TPU	3/18 AWG Grey TPU 90 °C 6.0 mm OD	0-220 24-48 110-220	VAS 22-A669-*M-RS 5.3T ---- ----	---- VAS 22-B669-*M-RS 5.3T VAS 22-C669-*M-RS 5.3T	---- VAS 22-D669-*M-RS 5.3T VAS 22-E669-*M-RS 5.3T	---- VAS 22-F669-*M-RS 5.3T ----



Picofast Snap Extension

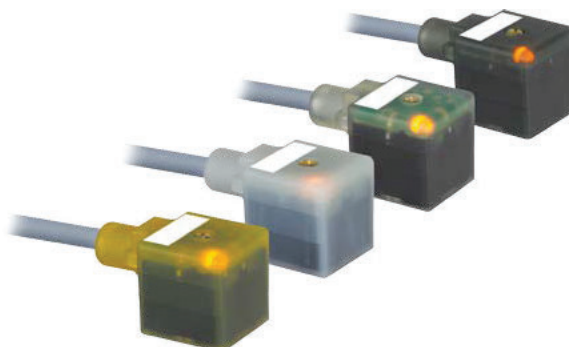


Picofast Threaded Extension

"A" Style Valve Connectors, Picofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105 °C 4.4 mm OD	0-125 24-48 110-220	VAS 22-A642-*M-PSG 3 ---- ----	---- VAS 22-B642-*M-PSG 3 ----	---- VAS 22-D642-*M-PSG 3 ----	---- VAS 22-F642-*M-PSG 3 ----
Small diameter, TPU Snap lock	3/24 AWG Black TPU 90 °C 4.2 mm OD	0-125 24-48 110-220	VAS 22-A587-*M-PSG 3 ---- ----	---- VAS 22-B587-*M-PSG 3 ----	---- VAS 22-D587-*M-PSG 3 ----	---- VAS 22-F587-*M-PSG 3 ----
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105 °C 4.4 mm OD	0-125 24-48 110-220	VAS 22-A642-*M-PSG 3M ---- ----	---- VAS 22-B642-*M-PSG 3M ----	---- VAS 22-D642-*M-PSG 3M ----	---- VAS 22-F642-*M-PSG 3M ----
Small diameter, TPU Threaded	3/24 AWG Black TPU 90 °C 4.2 mm OD	0-125 24-48 110-220	VAS 22-A587-*M-PSG 3M ---- ----	---- VAS 22-B587-*M-PSG 3M ----	---- VAS 22-D587-*M-PSG 3M ----	---- VAS 22-F587-*M-PSG 3M ----

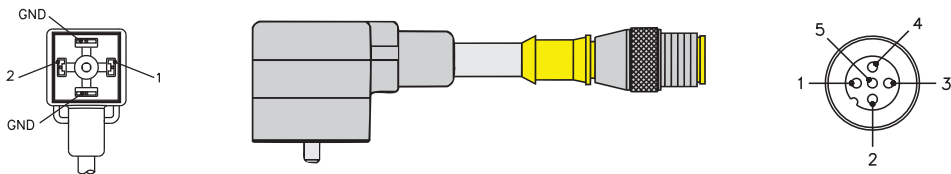
* Length in meters.



We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "A" (18 mm) Extensions

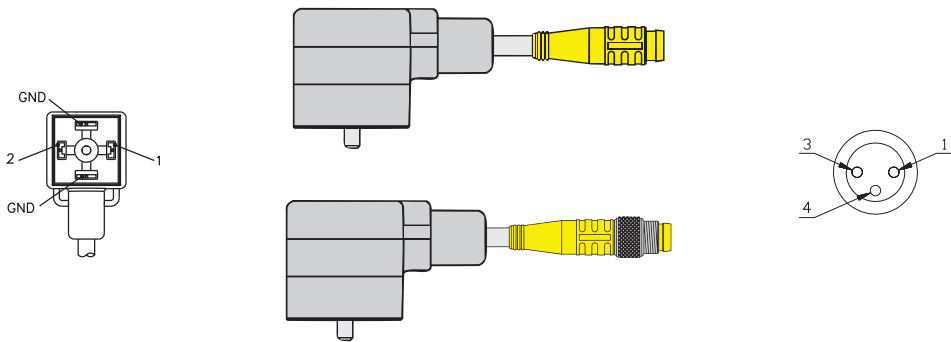
Type "A" (18 mm) Valve Connector to Eurofast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

Type "A" (18 mm) Valve Connector to Eurofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

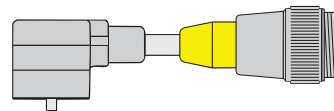
We reserve the right to make technical alterations without prior notice.

Valve Plug

Valve Plug Connectivity

Valve Connectors, Type "A" (18 mm) Extensions

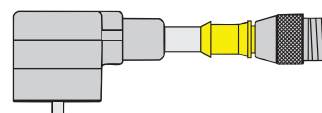
- Minifast® and Microfast® Connectors
- Available with PVC and TPU Jackets
- 18 AWG
- 2 Conductors + Ground, Ground Contacts Parallel Wired



"A" Style Valve Connectors, Minifast Extension

Minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A653-*M-RSM 30 ---- ----	---- VAS 22-B653-*M-RSM 30 VAS 22-C653-*M-RSM 30	---- VAS 22-D653-*M-RSM 30 VAS 22-E653-*M-RSM 30
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A669-*M-RSM 30 ---- ----	---- VAS 22-B669-*M-RSM 30 VAS 22-C669-*M-RSM 30	---- VAS 22-D669-*M-RSM 30 VAS 22-E669-*M-RSM 30

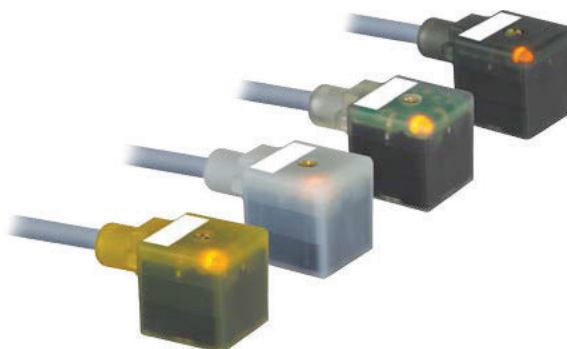


"A" Style Valve Connectors, Microfast Extension

Microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A653-*M-SB 3T ---- ----	---- VAS 22-B653-*M-SB 3T VAS 22-C653-*M-SB 3T	---- VAS 22-D653-*M-SB 3T VAS 22-E653-*M-SB 3T
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	0-220 24-48 110-220	VAS 22-A669-*M-SB 3T ---- ----	---- VAS 22-B669-*M-SB 3T VAS 22-C669-*M-SB 3T	---- VAS 22-D669-*M-SB 3T VAS 22-E669-*M-SB 3T

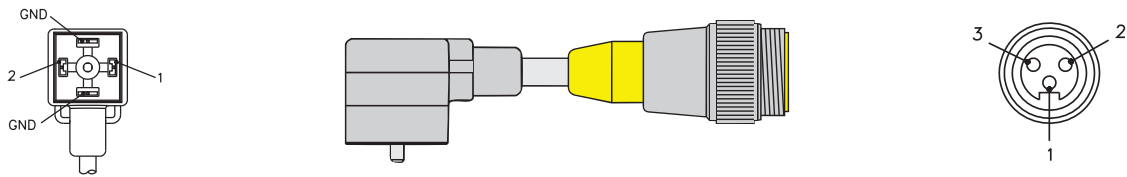
* Length in meters.



We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "A" (18 mm) Extensions

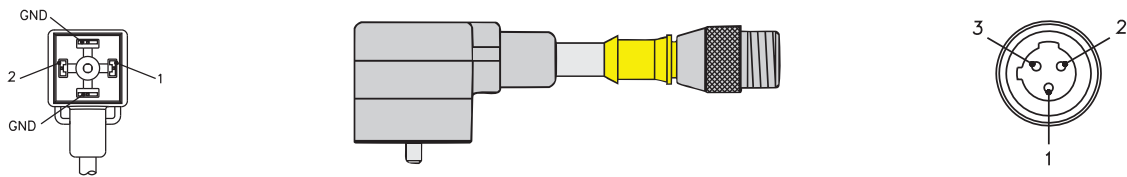
Type "A" (18 mm) Valve Connector to Minifast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

Type "A" (18 mm) Valve Connector to Microfast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

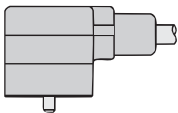
We reserve the right to make technical alterations without prior notice.

Valve Plug

Valve Plug Connectivity

Valve Connectors Type “A” (18 mm), 3 Conductors + Ground

- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 3 Conductors + Ground



“A” Style Valve Connectors, IEC Color Code

Type A

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	4/18 AWG, Grey PVC 105 °C 6.7 mm OD	1. BN 2. BU 3. WH Gnd - BK	0-220 24-48 110-220	VAS 3-A580-*M ---- ----	---- VAS 3-B580-*M VAS 3-C580-*M	---- VAS 3-D580-*M VAS 3-E580-*M
Standard duty TPU	4/18 AWG, Yellow TPU 90 °C 7.2 mm OD	1. BN 2. BU 3. WH Gnd - BK	0-220 24-48 110-220	VAS 3-A544-*M ---- ----	---- VAS 3-B544-*M VAS 3-C544-*M	---- VAS 3-D544-*M VAS 3-E544-*M

* Length in meters.

We reserve the right to make technical alterations without prior notice.



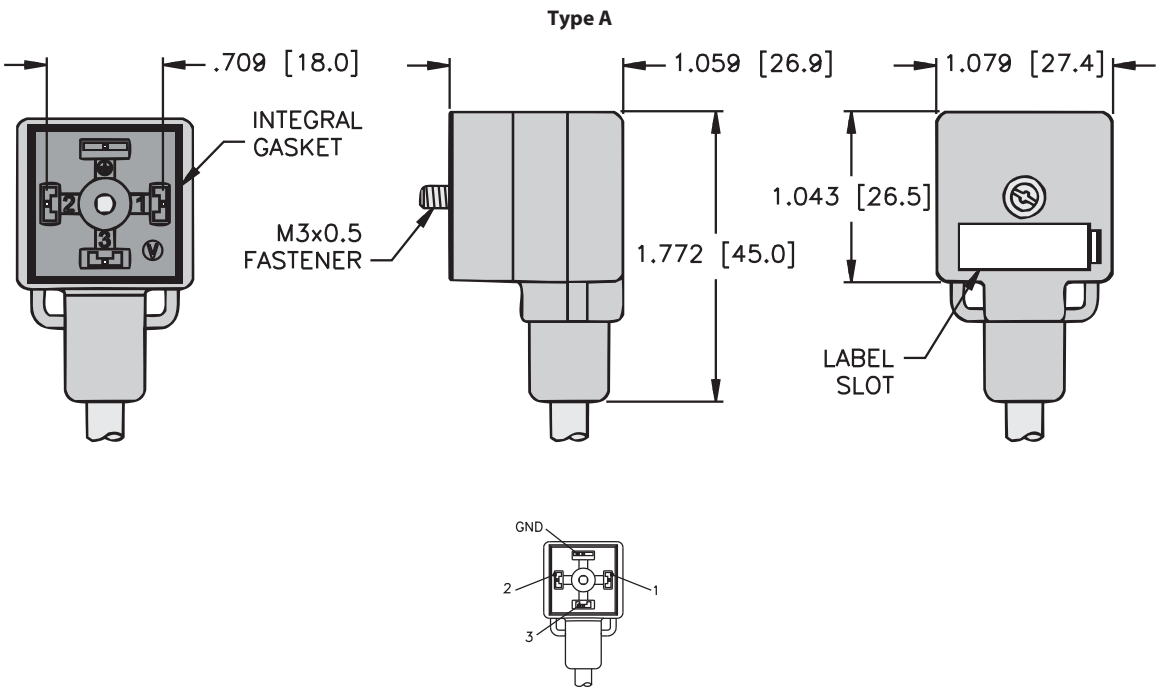
Valve Connectors Type "A" (18 mm), 3 Conductors + Ground

Specifications

- Connectors:
- Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:
- Silver plated copper alloy.
- Cable:
- See table.
- Cable Length:
- Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
- Protection Class:
- NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VAS .. or VAY .. to VAG ..
For other combinations or options, consult factory.

Dimensions



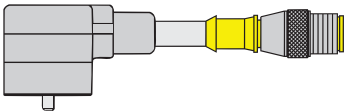
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
1 2 3 GND	1 2 3 GND	1 2 3 GND

Valve Plug Connectivity

Valve Connectors, Type "A" (18 mm) Extensions

- Eurofast® Connectors
- Available with PVC and TPU Jackets
- 18 AWG
- 3 Conductors + Ground

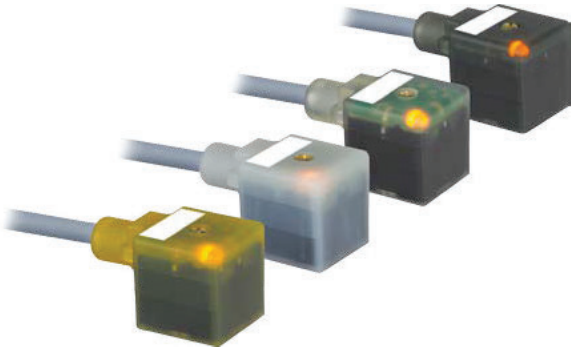


"A" Style Valve Connectors, Eurofast Extension

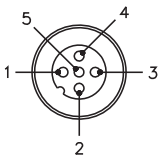
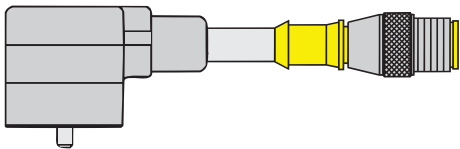
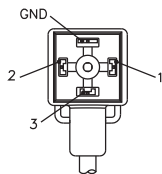
			Eurofast Extension		
Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	4/18 AWG, Grey PVC	0-220	VAS 3-A580-*M-RSC 5.42T	----	----
	105 °C	24-48	----	VAS 3-B580-*M-RSC 5.42T	VAS 3-D580-*M-RSC 5.42T
	6.7 mm OD	110-220	----	VAS 3-C580-*M-RSC 5.42T	VAS 3-E580-*M-RSC 5.42T
Standard duty TPU	4/18 AWG, Yellow TPU	0-220	VAS 3-A544-*M-RSC 5.42T	----	----
	90 °C	24-48	----	VAS 3-B544-*M-RSC 5.42T	VAS 3-D544-*M-RSC 5.42T
	7.2 mm OD	110-220	----	VAS 3-C544-*M-RSC 5.42T	VAS 3-E544-*M-RSC 5.42T
	Black Body				

* Length in meters.

We reserve the right to make technical alterations without prior notice.



Type "A" (18 mm) Valve Connector to Eurofast® Extension



Wiring Diagrams

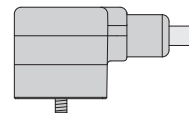
Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
1 ————— 2 2 ————— 3 3 ————— 4 GND ————— 5	Diagram showing a bridge circuit for an indicator LED (YE). The bridge is connected to pins 1, 2, 3, and 4. A resistor is connected between pins 2 and 3. The LED (YE) is connected between pins 1 and 2.	Diagram showing a bridge circuit for an indicator LED (YE) and a MOV. The bridge is connected to pins 1, 2, 3, and 4. A resistor is connected between pins 2 and 3. The LED (YE) is connected between pins 1 and 2. A MOV is connected between pins 3 and 4.

We reserve the right to make technical alterations without prior notice.

Valve Plug Connectivity

Valve Connectors, Type "B" (10 mm)

- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 2 Conductors + Ground



"B" Style Valve Connectors, Standard Color Code

Type B

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220 24-48 110-220	VBS 2-A653-*M ---- ----	---- VBS 2-B653-*M VBS 2-C653-*M	---- VBS 2-D653-*M VBS 2-E653-*M	---- VBS 2-F653-*M ----
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220 24-48 110-220	VBS 2-A669-*M ---- ----	---- VBS 2-B669-*M VBS 2-C669-*M	---- VBS 2-D669-*M VBS 2-E669-*M	---- VBS 2-F669-*M ----

"B" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Small diameter PVC	3/24 AWG, Yellow PVC 105 °C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220 24-48 110-220	VBS 2-A642-*M ---- ----	---- VBS 2-B642-*M VBS 2-C642-*M	---- VBS 2-D642-*M VBS 2-E642-*M	---- VBS 2-F642-*M ----
Small diameter TPU	3/24 AWG, Black TPU 90 °C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220 24-48 110-220	VBS 2-A587-*M ---- ----	---- VBS 2-B587-*M VBS 2-C587-*M	---- VBS 2-D587-*M VBS 2-E587-*M	---- VBS 2-F587-*M ----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

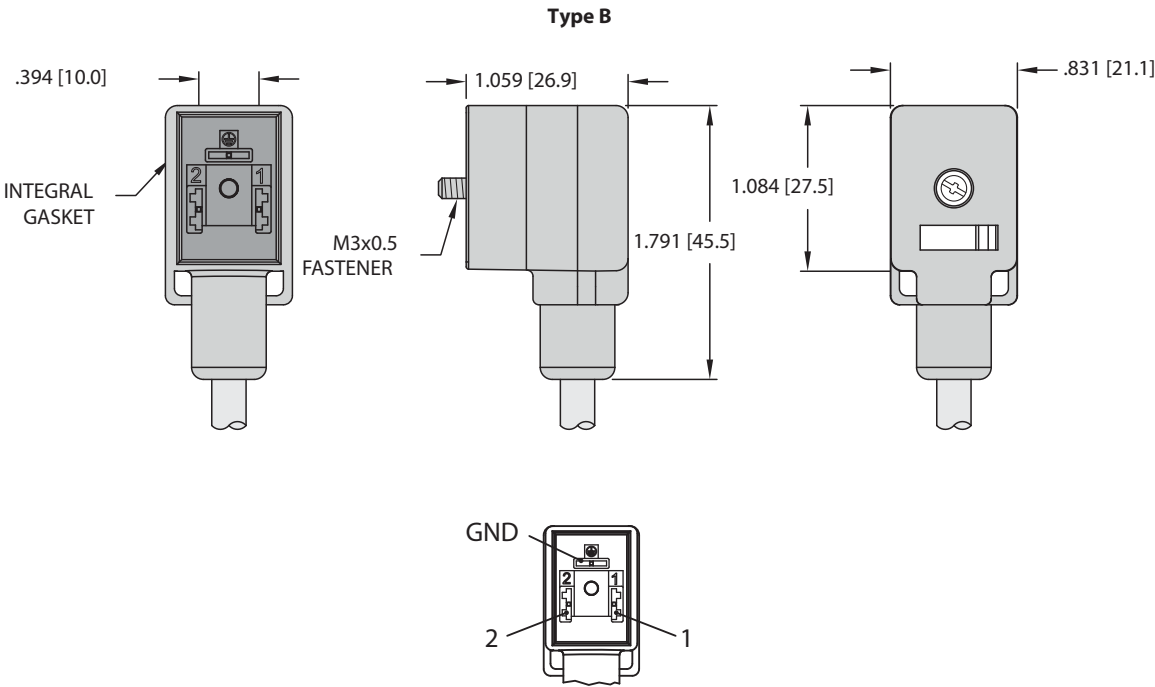
Valve Connectors, Type "B" (10 mm)

Specifications

Connectors:	Oil resistant polyurethane body material, Nylon contact carrier.
Contacts:	Silver plated copper alloy.
Cable:	See table.
Cable Length:	Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
Protection Class:	NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VBS .. or VBY .. to VBG ..
To have cable exit on the same side as the ground pin, change part number from VBS .. to TBS ..
For other combinations or options, consult factory.

Dimensions



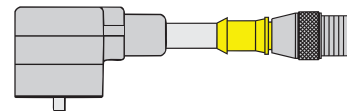
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

Valve Plug Connectivity

Valve Connectors, Type "B" (10 mm) Extensions

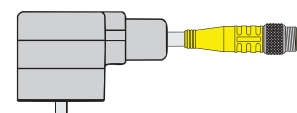
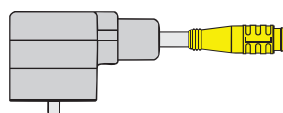
- Available with PVC, TPU and Jackets
- 18 and 24 AWG
- 2 Conductors + Ground, Ground Contacts Parallel Wired



"B" Style Valve Connectors, Eurofast® Extension

Eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG Grey PVC 105 °C 6.2 mm OD	0-220 24-48 110-220	VBS 2-A653-*M-RS 5.3T ---- ----	---- VBS 2-B653-*M-RS 5.3T VBS 2-C653-*M-RS 5.3T	---- VBS 2-D653-*M-RS 5.3T VBS 2-E653-*M-RS 5.3T	---- VBS 2-F653-*M-RS 5.3T ----
Standard duty TPU	3/18 AWG Grey TPU 90 °C 6.0 mm OD	0-220 24-48 110-220	VBS 2-A669-*M-RS 5.3T ---- ----	---- VBS 2-B669-*M-RS 5.3T VBS 2-C669-*M-RS 5.3T	---- VBS 2-D669-*M-RS 5.3T VBS 2-E669-*M-RS 5.3T	---- VBS 2-F669-*M-RS 5.3T ----



"B" Style Valve Connectors, Picofast® Extension

Picofast Snap Extension

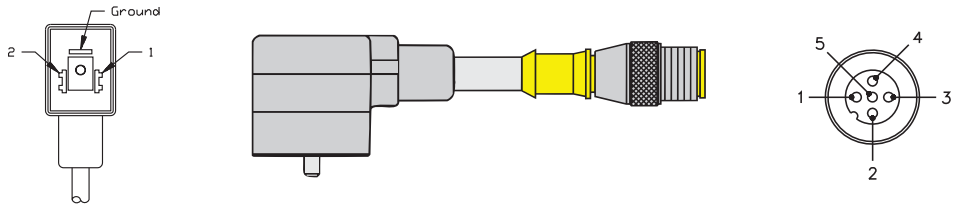
Picofast Threaded Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105 °C 4.4 mm OD	0-125 24-48 110-220	VBS 2-A642-*M-PSG 3 ---- ----	---- VBS 2-B642-*M-PSG 3 ----	---- VBS 2-D642-*M-PSG 3 ----	---- VBS 2-F642-*M-PSG 3 ----
Small diameter, TPU Snap lock	3/24 AWG Black TPU 90 °C 4.2 mm OD	0-125 24-48 110-220	VBS 2-A587-*M-PSG 3 ---- ----	---- VBS 2-B587-*M-PSG 3 ----	---- VBS 2-D587-*M-PSG 3 ----	---- VBS 2-F587-*M-PSG 3 ----
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105 °C 4.4 mm OD	0-125 24-48 110-220	VBS 2-A642-*M-PSG 3M ---- ----	---- VBS 2-B642-*M-PSG 3M ----	---- VBS 2-D642-*M-PSG 3M ----	---- VBS 2-F642-*M-PSG 3M ----
Small diameter, TPU Threaded	3/24 AWG Black TPU 90 °C 4.2 mm OD	0-125 24-48 110-220	VBS 2-A587-*M-PSG 3M ---- ----	---- VBS 2-B587-*M-PSG 3M ----	---- VBS 2-D587-*M-PSG 3M ----	---- VBS 2-F587-*M-PSG 3M ----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

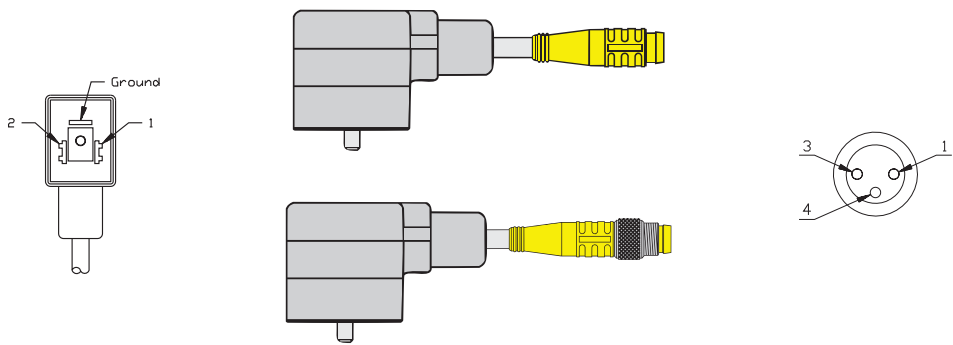
Type "B" (10 mm) Valve Connector to Eurofast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
1 → 4 2 → 3 GND → 5			

Type "B" (10 mm) Valve Connector to Picofast® Extension



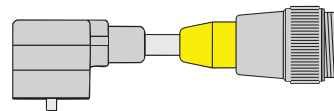
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
1 → 4 2 → 3 GND → NC			

Valve Plug Connectivity

Valve Connectors, Type “B” (10 mm) Extensions

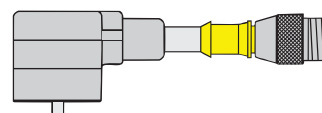
- Minifast® and Microfast® Connectors
- 18 AWG
- 2 Conductors + Ground



“B” Style Valve Connectors, Minifast Extension

Minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	0-220	VBS 2-A653-*M-RSM 30	----	----
		24-48	----	VBS 2-B653-*M-RSM 30	VBS 2-D653-*M-RSM 30
		110-220	----	VBS 2-C653-*M-RSM 30	VBS 2-E653-*M-RSM 30
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	0-220	VBS 2-A669-*M-RSM 30	----	----
		24-48	----	VBS 2-B669-*M-RSM 30	VBS 2-D669-*M-RSM 30
		110-220	----	VBS 2-C669-*M-RSM 30	VBS 2-E669-*M-RSM 30



“B” Style Valve Connectors, Microfast Extension

Microfast Extension

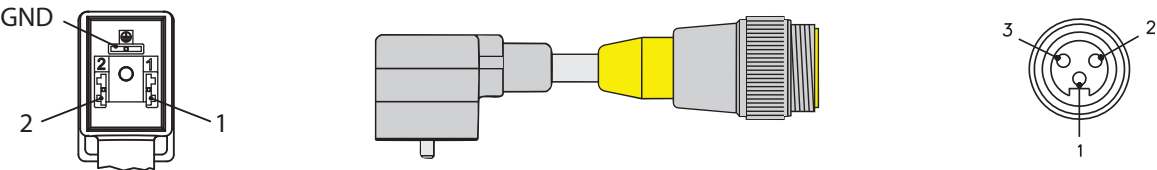
Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	0-220	VBS 2-A653-*M-SB 3T	----	----
		24-48	----	VBS 2-B653-*M-SB 3T	VBS 2-D653-*M-SB 3T
		110-220	----	VBS 2-C653-*M-SB 3T	VBS 2-E653-*M-SB 3T
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	0-220	VBS 2-A669-*M-SB 3T	----	----
		24-48	----	VBS 2-B669-*M-SB 3T	VBS 2-D669-*M-SB 3T
		110-220	----	VBS 2-C669-*M-SB 3T	VBS 2-E669-*M-SB 3T

* Length in meters.

We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "B" (10 mm) Extensions

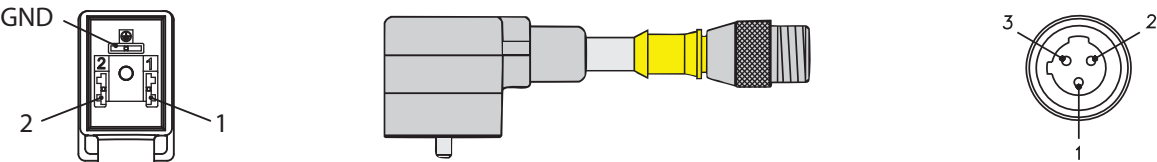
Type "B" (10 mm) Valve Connector to Minifast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
1 → 2 2 → 3 GND → 1		

Type "B" (10 mm) Valve Connector to Microfast® Extension



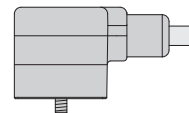
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
1 → 2 2 → 3 GND → 1		

Valve Plug Connectivity

Valve Connectors, Type "I" (11 mm)

- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 2 Conductors + Ground



"I" Style Valve Connectors, Standard Color Code

Type I

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220 24-48 110-220	VIS 2-A653-*M ---- ----	---- VIS 2-B653-*M VIS 2-C653-*M	---- VIS 2-D653-*M VIS 2-E653-*M	---- VIS 2-F653-*M ----
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220 24-48 110-220	VIS 2-A669-*M ---- ----	---- VIS 2-B669-*M VIS 2-C669-*M	---- VIS 2-D669-*M VIS 2-E669-*M	---- VIS 2-F669-*M ----

"I" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Small diameter PVC	3/24 AWG, Yellow PVC 105 °C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220 24-48 110-220	VIS 2-A642-*M ---- ----	---- VIS 2-B642-*M VIS 2-C642-*M	---- VIS 2-D642-*M VIS 2-E642-*M	---- VIS 2-F642-*M ----
Small diameter TPU	3/24 AWG, Black TPU 90 °C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220 24-48 110-220	VIS 2-A587-*M ---- ----	---- VIS 2-B587-*M VIS 2-C587-*M	---- VIS 2-D587-*M VIS 2-E587-*M	---- VIS 2-F587-*M ----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

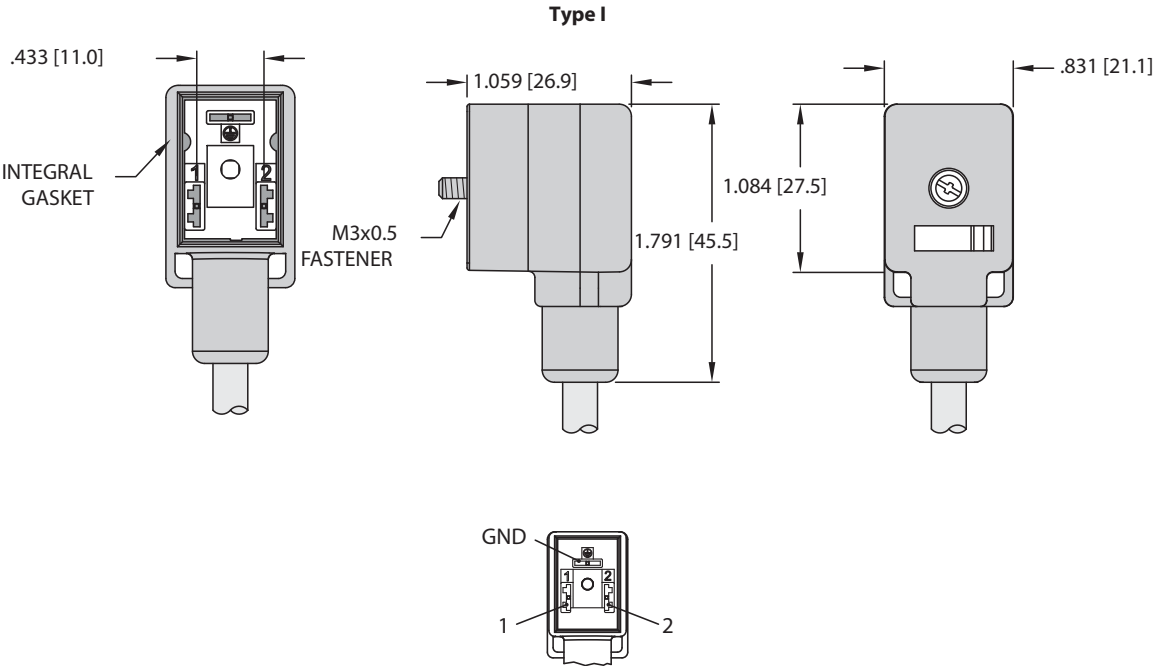
Valve Connectors, Type "I" (11 mm)

Specifications

Connectors:	Oil resistant polyurethane body material, Nylon contact carrier.
Contacts:	Silver plated copper alloy.
Cable:	See table.
Cable Length:	Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
Protection Class:	NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VIS .. or VIY .. to VIG ..
To have cable exit on the same side as the ground pin, change part number from VIS .. to TIS ..
For other combinations or options, consult factory.

Dimensions



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

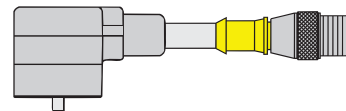
We reserve the right to make technical alterations without prior notice.

Valve Plug

Valve Plug Connectivity

Valve Connectors, Type "I" (11 mm) Extensions

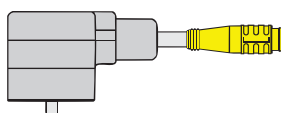
- Eurofast® and Picofast® Connectors
- Wired for use with Junction Box
- 2 Conductors + Ground



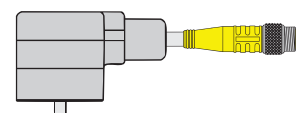
"I" Style Valve Connectors, Eurofast Extension

Eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG Grey PVC 105 °C 6.2 mm OD	0-220 24-48 110-220	VIS 2-A653-*M-RS 5.3T ---- ----	---- VIS 2-B653-*M-RS 5.3T VIS 2-C653-*M-RS 5.3T	---- VIS 2-D653-*M-RS 5.3T VIS 2-E653-*M-RS 5.3T	---- VIS 2-F653-*M-RS 5.3T ----
Standard duty TPU	3/18 AWG Grey TPU 90 °C 6.0 mm OD	0-220 24-48 110-220	VIS 2-A669-*M-RS 5.3T ---- ----	---- VIS 2-B669-*M-RS 5.3T VIS 2-C669-*M-RS 5.3T	---- VIS 2-D669-*M-RS 5.3T VIS 2-E669-*M-RS 5.3T	---- VIS 2-F669-*M-RS 5.3T ----



Picofast Snap Extension



Picofast Threaded Extension

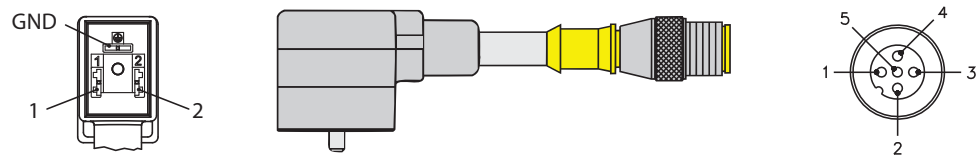
"I" Style Valve Connectors, Picofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105 °C 4.4 mm OD	0-125 24-48 110-220	VIS 2-A642-*M-PSG 3 ---- ----	---- VIS 2-B642-*M-PSG 3 ----	---- VIS 2-D642-*M-PSG 3 ----	---- VIS 2-F642-*M-PSG 3 ----
Small diameter, TPU Snap lock	3/24 AWG Black TPU 90 °C 4.2 mm OD	0-125 24-48 110-220	VIS 2-A587-*M-PSG 3 ---- ----	---- VIS 2-B587-*M-PSG 3 ----	---- VIS 2-D587-*M-PSG 3 ----	---- VIS 2-F587-*M-PSG 3 ----
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105 °C 4.4 mm OD	0-125 24-48 110-220	VIS 2-A642-*M-PSG 3M ---- ----	---- VIS 2-B642-*M-PSG 3M ----	---- VIS 2-D642-*M-PSG 3M ----	---- VIS 2-F642-*M-PSG 3M ----
Small diameter, TPU Threaded	3/24 AWG Black TPU 90 °C 4.2 mm OD	0-125 24-48 110-220	VIS 2-A587-*M-PSG 3M ---- ----	---- VIS 2-B587-*M-PSG 3M ----	---- VIS 2-D587-*M-PSG 3M ----	---- VIS 2-F587-*M-PSG 3M ----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

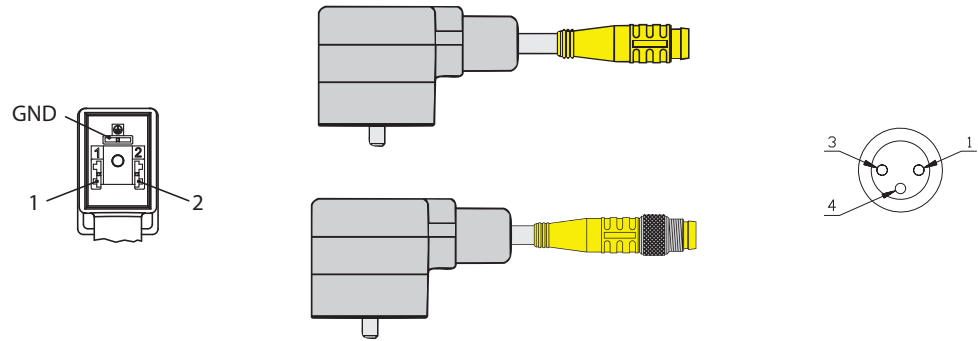
Type "I" (11 mm) Valve Connector to Eurofast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

Type "I" (11 mm) Valve Connector to Picofast® Extension



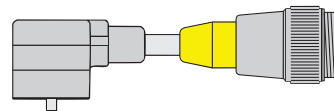
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

Valve Plug Connectivity

Valve Connectors, Type "I" (11 mm) Extensions

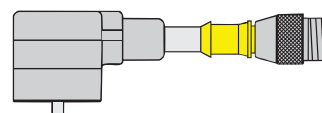
- Minifast® and Microfast® Connectors
- Available with PVC and TPU
- 18 AWG
- 2 Conductors + Ground (Eurofast)



"I" Style Valve Connectors, Minifast Extension

Minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	0-220 24-48 110-220	VIS 2-A653-*M-RSM 30 ---- ----	---- VIS 2-B653-*M-RSM 30 VIS 2-C653-*M-RSM 30	---- VIS 2-D653-*M-RSM 30 VIS 2-E653-*M-RSM 30
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	0-220 24-48 110-220	VIS 2-A669-*M-RSM 30 ---- ----	---- VIS 2-B669-*M-RSM 30 VIS 2-C669-*M-RSM 30	---- VIS 2-D669-*M-RSM 30 VIS 2-E669-*M-RSM 30



"I" Style Valve Connectors, Microfast Extension

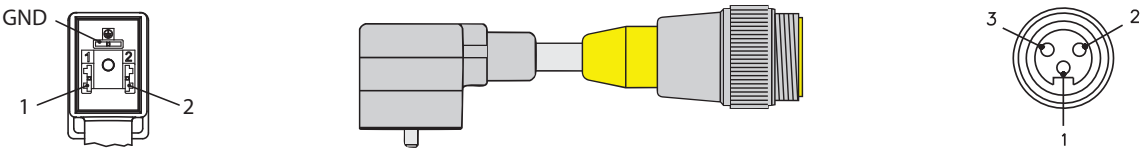
Microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105 °C 6.2 mm OD Black Body	0-220 24-48 110-220	VIS 2-A653-*M-SB 3T ---- ----	---- VIS 2-B653-*M-SB 3T VIS 2-C653-*M-SB 3T	---- VIS 2-D653-*M-SB 3T VIS 2-E653-*M-SB 3T
Standard duty TPU	3/18 AWG, Grey TPU 90 °C 6.0 mm OD Black Body	0-220 24-48 110-220	VIS 2-A669-*M-SB 3T ---- ----	---- VIS 2-B669-*M-SB 3T VIS 2-C669-*M-SB 3T	---- VIS 2-D669-*M-SB 3T VIS 2-E669-*M-SB 3T

* Length in meters.

We reserve the right to make technical alterations without prior notice.

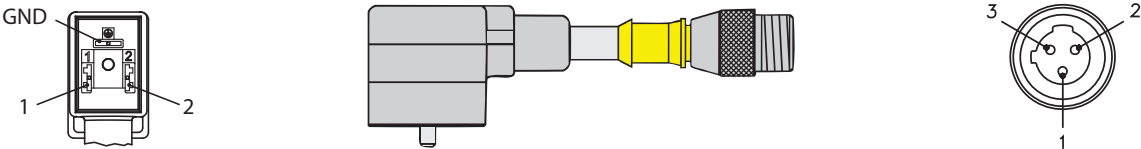
Type "I" (11 mm) Valve Connector to Minifast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
1 → 2 2 → 3 GND → 1	1 → 2 2 → 3 GND → 1 YE	1 → 2 2 → 3 GND → 1 YE

Type "I" (11 mm) Valve Connector to Microfast® Extension



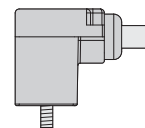
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
1 → 2 2 → 3 GND → 1	1 → 2 2 → 3 GND → 1 YE	1 → 2 2 → 3 GND → 1 YE

Valve Plug Connectivity

Valve Connectors, Type "C" (8 mm)

- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 2 Conductor + Ground



"C" (8.0 mm) Style Valve Connectors, Standard Color Code

Type C

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	1. BK 1	0-220	TC8S 2-A653-*M	----	----
	105 °C	2. BK 2	24	----	TC8S 2-L653-*M	TC8S 2-P653-*
	6.2 mm OD	Gnd - GN/YE	48	----	TC8S 2-M653-*M	----
	Black Body		110	----	TC8S 2-N653-*M	----
Standard duty TPU	3/18 AWG, Grey TPU	1. BK 1	0-220	TC8S 2-A669-*M	----	----
	90 °C	2. BK 2	24	----	TC8S 2-L669-*M	TC8S 2-P669-*
	6.0 mm OD	Gnd - GN/YE	48	----	TC8S 2-M669-*M	----
	Black Body		110	----	TC8S 2-N669-*M	----

"C" (8.0 mm) Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter PVC	3/24 AWG, Yellow PVC	1. BN	0-220	TC8S 2-A642-*M	----	----
	105 °C	2. BU	24	----	TC8S 2-L642-*M	TC8S 2-P642-*
	4.4 mm OD	Gnd - BK	48	----	TC8S 2-M642-*M	----
	Black Body		110	----	TC8S 2-N642-*M	----
Small diameter TPU	3/24 AWG, Black TPU	1. BN	0-220	TC8S 2-A587-*M	----	----
	90 °C	2. BU	24	----	TC8S 2-L587-*M	TC8S 2-P587-*
	4.2 mm OD	Gnd - BK	48	----	TC8S 2-M587-*M	----
	Black Body		110	----	TC8S 2-N587-*M	----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "C" (8 mm)

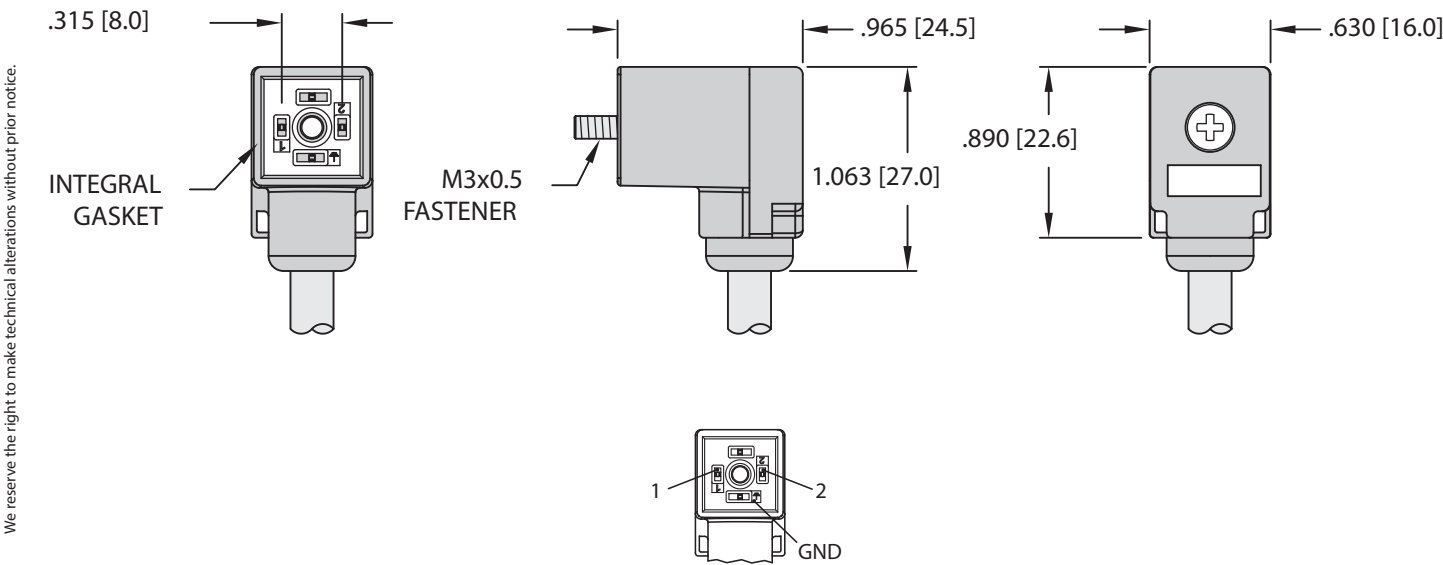
Specifications

- Connectors:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable Length:** Standard cable lengths are nominal 5 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number TC8S... To TC8G...
For other combinations or options, consult factory.

Dimensions

Type C (8 mm)



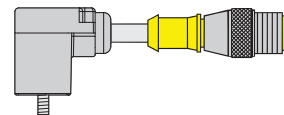
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)

Valve Plug Connectivity

Valve Connectors, Type "C" (8 mm) Extensions

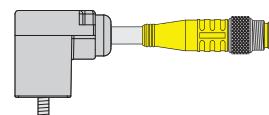
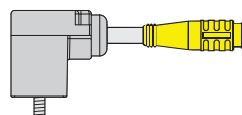
- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 2 Conductor + Ground (Eurofast®)



"C" (8.0 mm) Style Valve Connectors, Eurofast Extension

Eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	0-220	TC8S 2-A653-*M-RS 5.3T	----	----
	105 °C	24	----	TC8S 2-L653-*M-RS 5.3T	TC8S 2-P653-*M-RS 5.3T
	6.2 mm OD	48	----	TC8S 2-M653-*M-RS 5.3T	----
	Black Body	110	----	TC8S 2-N653-*M-RS 5.3T	----
Standard duty TPU	3/18 AWG, Grey TPU	0-220	TC8S 2-A669-*M-RS 5.3T	----	----
	90 °C	24	----	TC8S 2-L669-*M-RS 5.3T	TC8S 2-P669-*M-RS 5.3T
	6.0 mm OD	48	----	TC8S 2-M669-*M-RS 5.3T	----
	Black Body	110	----	TC8S 2-N669-*M-RS 5.3T	----



"C" (8.0 mm) Style Valve Connectors, Picofast® Extension

Picofast Snap Extension

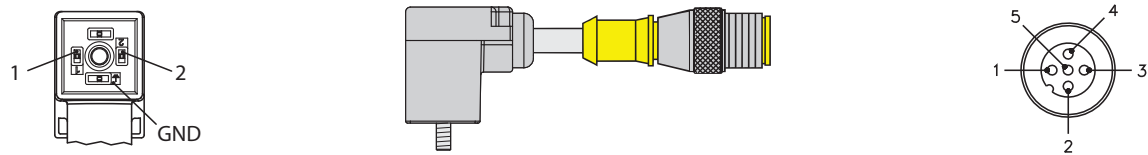
Picofast Threaded Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter, PVC Snap Lock	3/24 AWG	0-125	TC8S 2-A642-*M-PSG 3	----	----
	Yellow PVC	24	----	TC8S 2-L642-*M-PSG 3	TC8S 2-P642-*M-PSG 3
	105 °C	48	----	TC8S 2-M642-*M-PSG 3	----
Small diameter, TPU Snap Lock	3/24 AWG	0-125	TC8S 2-A587-*M-PSG 3	----	----
	Black TPU	24	----	TC8S 2-L587-*M-PSG 3	TC8S 2-P587-*M-PSG 3
	90 °C	48	----	TC8S 2-M587-*M-PSG 3	----
Small diameter, PVC Threaded	3/24 AWG	0-125	TC8S 2-A642-*M-PSG 3M	----	----
	Yellow PVC	24	----	TC8S 2-L642-*M-PSG 3M	TC8S 2-P642-*M-PSG 3M
	105 °C	48	----	TC8S 2-M642-*M-PSG 3M	----
Small diameter, TPU Threaded	3/24 AWG	0-125	TC8S 2-A587-*M-PSG 3M	----	----
	Black TPU	24	----	TC8S 2-L587-*M-PSG 3M	TC8S 2-P587-*M-PSG 3M
	90 °C	48	----	TC8S 2-M587-*M-PSG 3M	----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

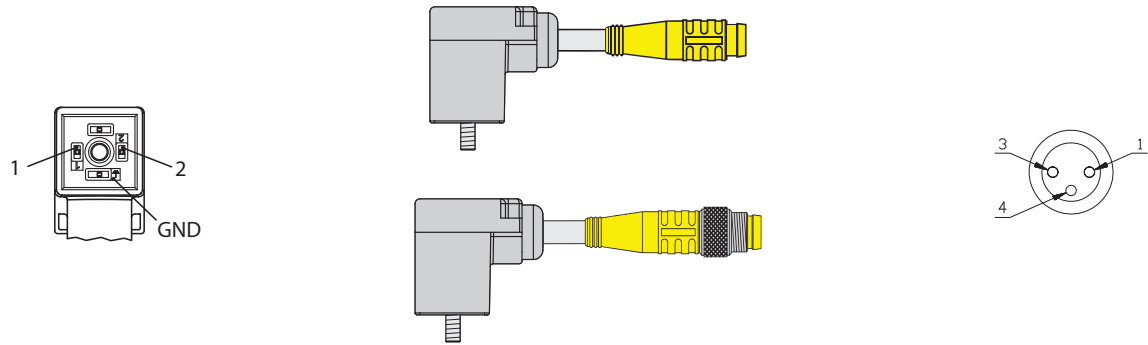
Type "C" (8 mm) Valve Connector to Eurofast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)
1 → 4 2 → 3 GND → 5		

Type "C" (8 mm) Valve Connector to Picofast® Extension



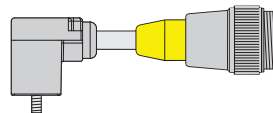
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P)
1 → 4 2 → 3 GND → NC		

Valve Plug Connectivity

Valve Connectors, Type "C" (8 mm) Extensions

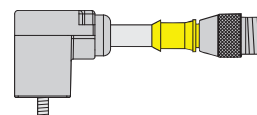
- Available with PVC and TPU Jackets
- 18 AWG
- 2 Conductor + Ground



"C" (8.0 mm) Style Valve Connectors, Minifast® Extension

Minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	0-220	TC8S 2-A653-*M-RSM 30	----	----
	105 °C	24	----	TC8S 2-L653-*M-RSM 30	TC8S 2-P653-*M-RSM 30
	6.2 mm OD	48	----	TC8S 2-M653-*M-RSM 30	----
	Black Body	110	----	TC8S 2-N653-*M-RSM 30	----
Standard duty TPU	3/18 AWG, Grey TPU	0-220	TC8S 2-A669-*M-RSM 30	----	----
	90 °C	24	----	TC8S 2-L669-*M-RSM 30	TC8S 2-P669-*M-RSM 30
	6.0 mm OD	48	----	TC8S 2-M669-*M-RSM 30	----
	Black Body	110	----	TC8S 2-N669-*M-RSM 30	----



"C" (8.0 mm) Style Valve Connectors, Microfast® Extension

Microfast Extension

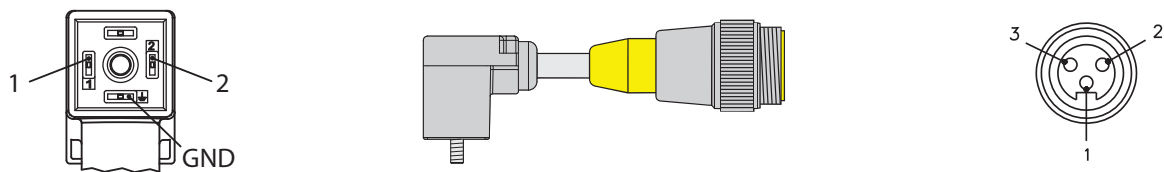
Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	0-220	TC8S 2-A653-*M-SB 3T	----	----
	105 °C	24	----	TC8S 2-L653-*M-SB 3T	TC8S 2-P653-*M-SB 3T
	6.2 mm OD	48	----	TC8S 2-M653-*M-SB 3T	----
	Black Body	110	----	TC8S 2-N653-*M-SB 3T	----
Standard duty TPU	3/18 AWG, Grey TPU	0-220	TC8S 2-A669-*M-SB 3T	----	----
	90 °C	24	----	TC8S 2-L669-*M-SB 3T	TC8S 2-P669-*M-SB 3T
	6.0 mm OD	48	----	TC8S 2-M669-*M-SB 3T	----
	Black Body	110	----	TC8S 2-N669-*M-SB 3T	----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "C" (8 mm) Extensions

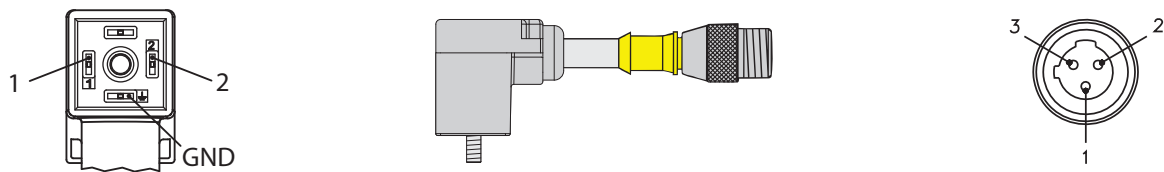
Type "C" (8 mm) Valve Connector to Minifast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P)
1 → 2 2 → 3 GND → 1		

Type "C" (8 mm) Valve Connector Microfast® Extension



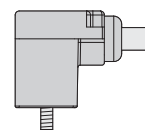
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P)
1 → 2 2 → 3 GND → 1		

Valve Plug Connectivity

Valve Connectors, Type "C" (9.4 mm)

- Available with PVC and TPU Jackets
- 18 and 24 AWG
- 2 Conductor + Ground



"C" (9.4 mm) Style Valve Connectors, Standard Color Code

Type C

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	1. BK 1	0-220	TC9S 2-A653-*M	----	----
	105 °C	2. BK 2	24	----	TC9S 2-L653-*M	TC9S 2-P653-*
	6.2 mm OD	Gnd-GN/YE	48	----	TC9S 2-M653-*M	----
	Black Body		110	----	TC9S 2-N653-*M	----
Standard duty TPU	3/18 AWG, Grey TPU	1. BK 1	0-220	TC9S 2-A669-*M	----	----
	90 °C	2. BK 2	24	----	TC9S 2-L669-*M	TC9S 2-P669-*
	6.0 mm OD	Gnd-GN/YE	48	----	TC9S 2-M669-*M	----
	Black Body		110	----	TC9S 2-N669-*M	----

"C" (9.4 mm) Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter PVC	3/24 AWG, Yellow PVC	1. BN	0-220	TC9S 2-A642-*M	----	----
	105 °C	2. BU	24	----	TC9S 2-L642-*M	TC9S 2-P642-*
	4.4 mm OD	Gnd - BK	48	----	TC9S 2-M642-*M	----
	Black Body		110	----	TC9S 2-N642-*M	----
Small diameter TPU	3/24 AWG, Black TPU	1. BN	0-220	TC9S 2-A587-*M	----	----
	90 °C	2. BU	24	----	TC9S 2-L587-*M	TC9S 2-P587-*
	4.2 mm OD	Gnd - BK	48	----	TC9S 2-M587-*M	----
	Black Body		110	----	TC9S 2-N587-*M	----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "C" (9.4 mm)

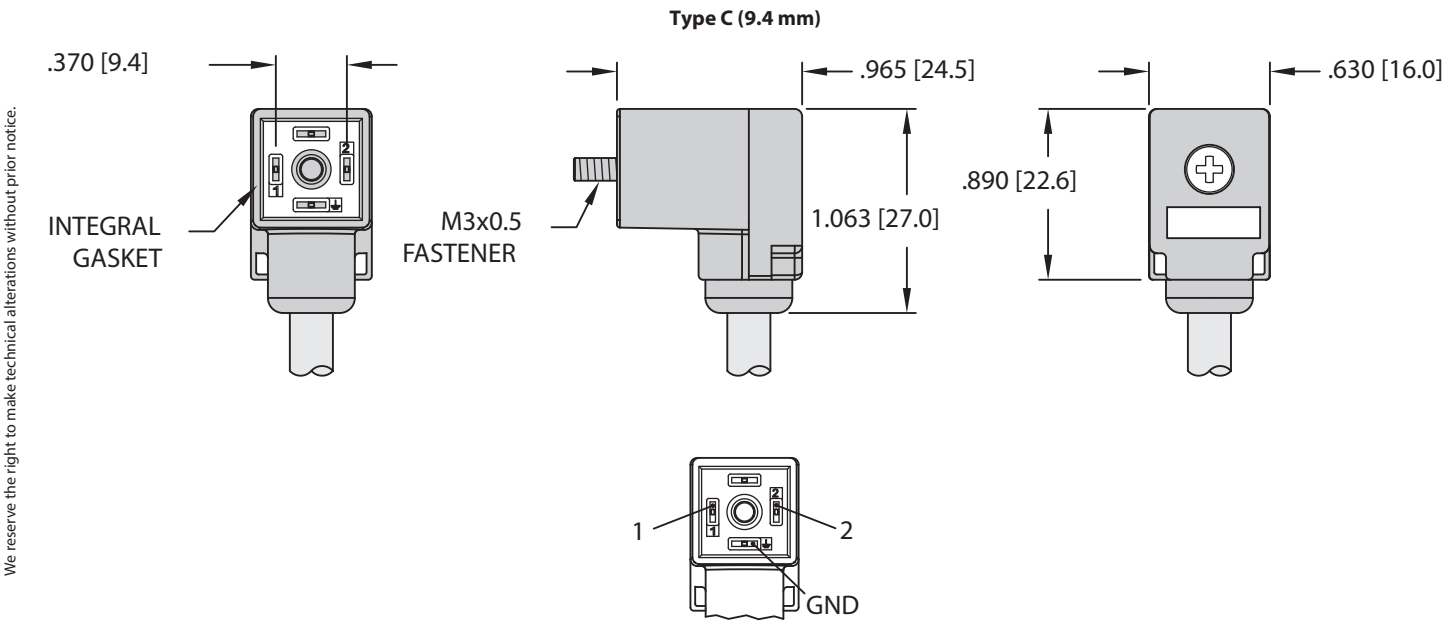
Specifications

- Connectors:**
- Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:**
- Silver plated copper alloy.
- Cable:**
- See table.
- Cable Length:**
- Standard cable lengths are nominal 5 meters. Other lengths available by request - consult factory.
- Protection Class:**
- NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number TC9S...to TC9G...
For other combinations or options, consult factory.

Dimensions

Type C (9.4 mm)



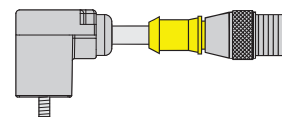
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)
1) _____ 2) _____ GND) _____	1) 2) _____ GND) _____	1) 2) _____ GND) _____

Valve Plug Connectivity

Valve Connectors, Type "C" (9.4 mm) Extensions

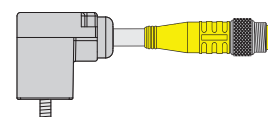
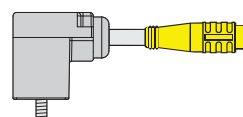
- Available with PVC and TPU Jackets
- 2 Conductor + Ground (Eurofast®)



"C" (9.4 mm) Style Valve Connectors, Eurofast Extension

Eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	0-220	TC9S 2-A653-*M-RS 5.3T	----	----
	105 °C	24	----	TC9S 2-L653-*M-RS 5.3T	TC9S 2-P653-*M-RS 5.3T
	6.2 mm OD	48	----	TC9S 2-M653-*M-RS 5.3T	----
	Black Body	110	----	TC9S 2-N653-*M-RS 5.3T	----
Standard duty TPU	3/18 AWG, Grey TPU	0-220	TC9S 2-A669-*M-RS 5.3T	----	----
	90 °C	24	----	TC9S 2-L669-*M-RS 5.3T	TC9S 2-P669-*M-RS 5.3T
	6.0 mm OD	48	----	TC9S 2-M669-*M-RS 5.3T	----
	Black Body	110	----	TC9S 2-N669-*M-RS 5.3T	----



"C" Style Valve Connectors, Picofast® Extension

Picofast Snap Extension

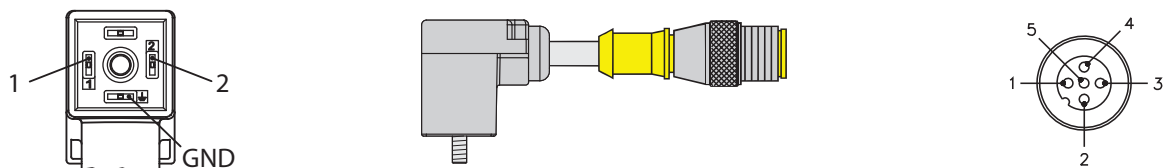
Picofast Threaded Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter, PVC Snap lock	3/24 AWG	0-125	TC9S 2-A642-*M-PSG 3	----	----
	Yellow PVC	24	----	TC9S 2-L642-*M-PSG 3	TC9S 2-P642-*M-PSG 3
	105 °C	48	----	TC9S 2-M642-*M-PSG 3	----
Small diameter, TPU Snap lock	3/24 AWG	0-125	TC9S 2-A587-*M-PSG 3	----	----
	Black TPU	24	----	TC9S 2-L587-*M-PSG 3	TC9S 2-P587-*M-PSG 3
	90 °C	48	----	TC9S 2-M587-*M-PSG 3	----
Small diameter, PVC Threaded	3/24 AWG	0-125	TC9S 2-A642-*M-PSG 3M	----	----
	Yellow PVC	24	----	TC9S 2-L642-*M-PSG 3M	TC9S 2-P642-*M-PSG 3M
	105 °C	48	----	TC9S 2-M642-*M-PSG 3M	----
Small diameter, TPU Threaded	3/24 AWG	0-125	TC9S 2-A587-*M-PSG 3M	----	----
	Black TPU	24	----	TC9S 2-L587-*M-PSG 3M	TC9S 2-P587-*M-PSG 3M
	90 °C	48	----	TC9S 2-M587-*M-PSG 3M	----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

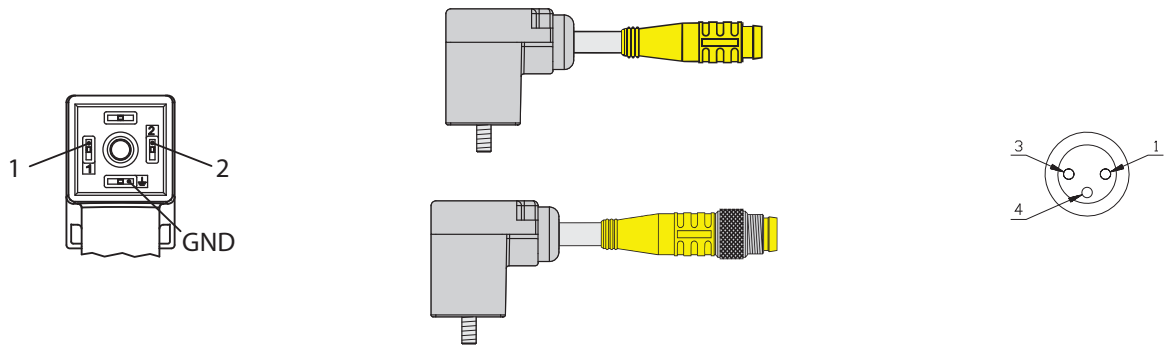
Type "C" (9.4 mm) Valve Connector to Eurofast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)
1 → 4 2 → 3 GND → 5		

Type "C" (9.4 mm) Valve Connector to Picofast® Extension



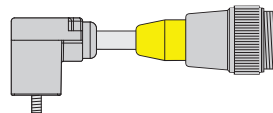
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P)
1 → 4 2 → 3 GND → NC		

Valve Plug Connectivity

Valve Connectors, Type "C" (9.4 mm) Extensions

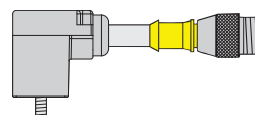
- Available with PVC and TPU Jackets
- 18 AWG
- 2 Conductor + Ground



"C" (9.4 mm) Style Valve Connectors, Minifast® Extension

Minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	0-220	TC9S 2-A653-*M-RSM 30	----	----
	105 °C	24	----	TC9S 2-L653-*M-RSM 30	TC9S 2-P653-*M-RSM 30
	6.2 mm OD	48	----	TC9S 2-M653-*M-RSM 30	----
	Black Body	110	----	TC9S 2-N653-*M-RSM 30	----
Standard duty TPU	3/18 AWG, Grey TPU	0-220	TC9S 2-A669-*M-RSM 30	----	----
	90 °C	24	----	TC9S 2-L669-*M-RSM 30	TC9S 2-P669-*M-RSM 30
	6.0 mm OD	48	----	TC9S 2-M669-*M-RSM 30	----
	Black Body	110	----	TC9S 2-N669-*M-RSM 30	----



"C" (9.4 mm) Style Valve Connectors, Microfast® Extension

Microfast Extension

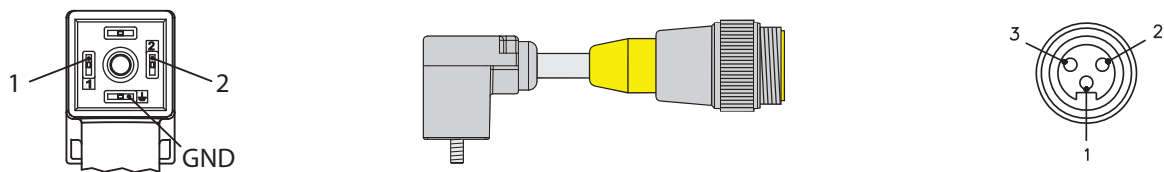
Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC	0-220	TC9S 2-A653-*M-SB 3T	----	----
	105 °C	24	----	TC9S 2-L653-*M-SB 3T	TC9S 2-P653-*M-SB 3T
	6.2 mm OD	48	----	TC9S 2-M653-*M-SB 3T	----
	Black Body	110	----	TC9S 2-N653-*M-SB 3T	----
Standard duty TPU	3/18 AWG, Grey TPU	0-220	TC9S 2-A669-*M-SB 3T	----	----
	90 °C	24	----	TC9S 2-L669-*M-SB 3T	TC9S 2-P669-*M-SB 3T
	6.0 mm OD	48	----	TC9S 2-M669-*M-SB 3T	----
	Black Body	110	----	TC9S 2-N669-*M-SB 3T	----

* Length in meters.

We reserve the right to make technical alterations without prior notice.

Valve Connectors, Type "C" (9.4 mm) Extensions

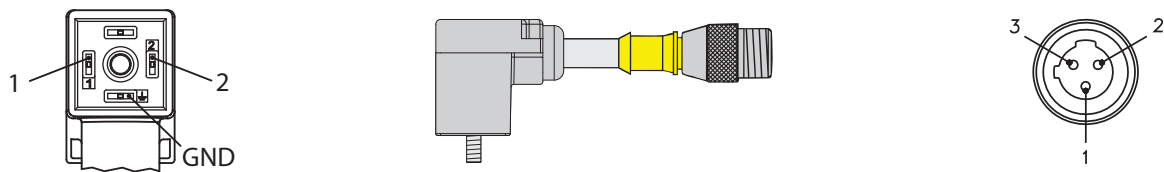
Type "C" (9.4 mm) Valve Connector to Minifast® Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)
1 → 2 2 → 3 GND → 1		

Type "C" (9.4 mm) Valve Connector to Microfast® Extension



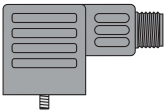
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)
1 → 2 2 → 3 GND → 1		

Valve Plug Connectivity

Valve Connectors w/Integral Eurofast® or Picofast® Connector

- Integral Eurofast and Picofast Connectors
- Compact Size
- 2 Conductor + Ground (Eurofast)



“A” Style Valve Connectors, Integral Eurofast Connector

Eurofast

Application	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV
“A” Style Connector with Integral Eurofast connector 2 Conductors, 1 Ground Ground contacts Parallel wired	1 2 GND GND → 4 → 3 → 5	0-220 24-48	VAS 22-A-FS 5.3 ----	---- ----	---- VAS 22-D-FS 5.3

* Length in meters.

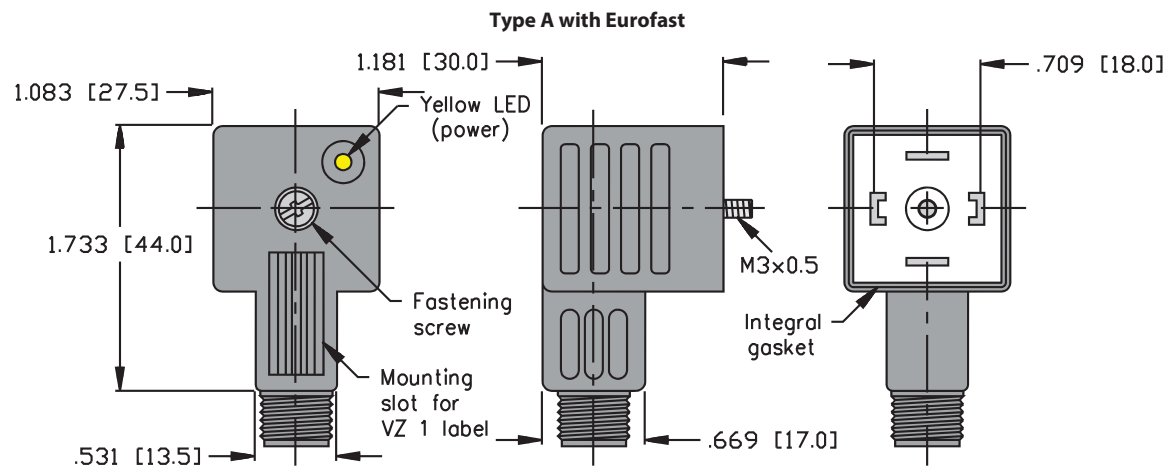


We reserve the right to make technical alterations without prior notice.

Specifications

- Specifications:** Oil resistant polyurethane body material, Nylon valve plug contact carrier, TPU Eurofast contact carrier.
- Contacts:** Valve plug: silver plated copper alloy; Eurofast: gold plated brass.
- Temperature:** -30 °C to +80 °C (-22 °F to +176 °F).
- Protection Class:** NEMA 1, 3, 4, 6P and IEC IP 67 when connected and secured.

Dimensions



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P)

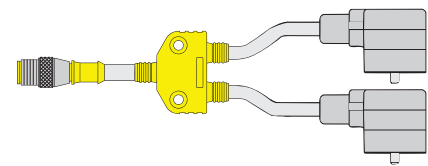
We reserve the right to make technical alterations without prior notice.

Valve Plug

Valve Plug Connectivity

Eurofast® 2 Branch Splitters with Valve Plugs

- Combine 2 Valve Plugs into 1 Eurofast
- For Use w/Eurofast J-boxes w/2 Signals/Port
- Available with All Valve Plug Styles (A, B, I and C)



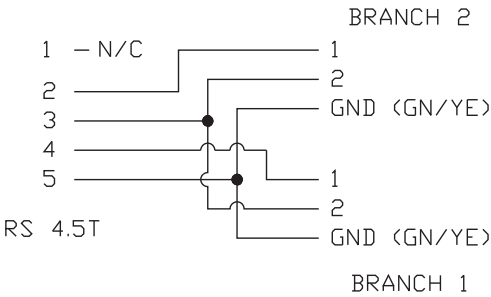
4-wire Series-Wired VB2

Application	Specifications	Wiring Diagram	Part Number
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "A" style (18 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.3 mm OD, 4/22 AWG Valve plug = Grey PVC, 6.2 mm OD 3/18 AWG	Diagram A	VB2-RS 4.5T-*/2VAS 22-A653-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "B" style (10 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC 5.3 mm OD, 4/22 AWG Valve plug = Grey PVC, 6.2 mm OD 3/18 AWG	Diagram A	VB2-RS 4.5T-*/2VBS 2-A653-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "I" style (11 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.3 mm OD, 4/22 AWG Valve plug = Grey PVC, 6.2 mm OD 3/18 AWG	Diagram A	VB2-RS 4.5T-*/2VIS 2-A653-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "C" style (8 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.3 mm OD, 4/22 AWG Valve plug = Grey PVC, 6.2 mm OD 3/18 AWG	Diagram A	VB2-RS 4.5T-*/2TC8S 2-A653-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "C" style (9.4 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.3 mm OD, 4/22 AWG Valve plug = Grey PVC, 6.2 mm OD 3/18 AWG	Diagram A	VB2-RS 4.5T-*/2TC9S 2-A653-*/*

We reserve the right to make technical alterations without prior notice.

* Length in meters.

Diagram A



Valve Connector Products

Specifications

Junction Body:	Oil resistant Yellow polyurethane.	Coupling Nuts:	Nickel plated brass.
Connector:	Oil resistant polyurethane body material, Nylon or TPU contact carrier.	Cable:	See table.
Contacts:	Gold plated brass (Eurofast). Silver plated copper alloy (V*fast).	Temperature:	-40 °C to +105 °C (-40 °F to +221 °F) - all PVC cable; -40 °C to +90 °C (-40 °F to +194 °F) - with TPU cable.
		Protection:	NEMA 1, 3, 4, 6P and IEC IP 68.

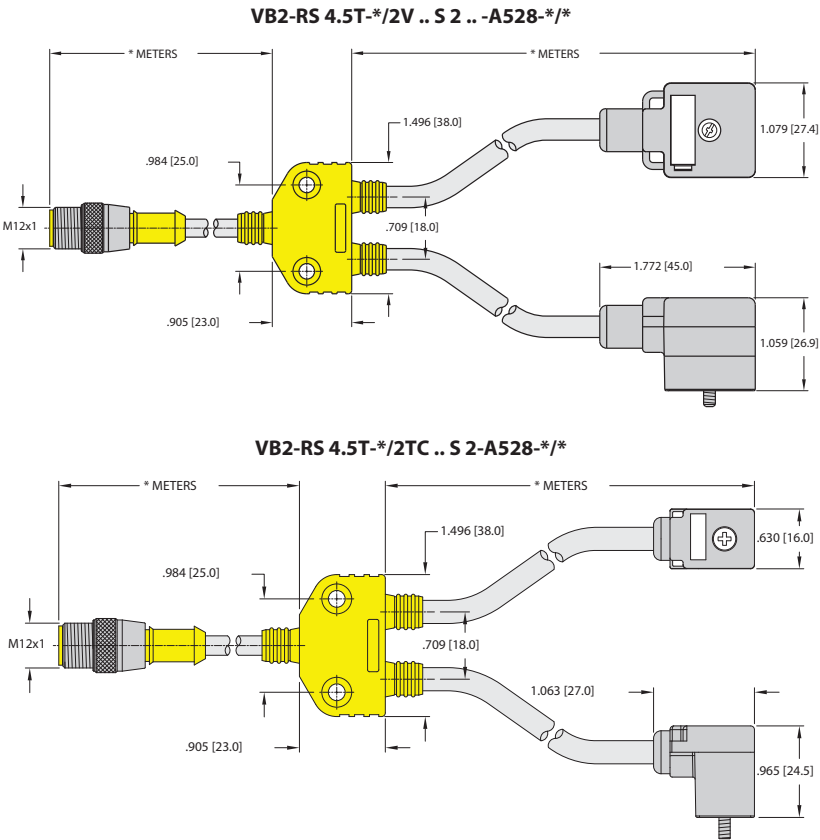
Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Other jackets available by request - consult factory.

Valve Options: Available w/LED or LED+mov, consult factory.

Eurofast® Options: Stainless steel coupling nut add "V" to part number (RS .. to RSV ..).
Nylon coupling nut add "K" to part number (RS .. to RSK ..).
Right angle connectors, change part number (RS .. to WS..).

Dimensions



Pinout

5-Pin	
Female	Male

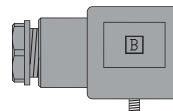
We reserve the right to make technical alterations without prior notice.

Valve Plug

Valve Plug Connectivity

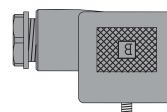
Valve Connectors, Field Wireables

- Convert Hard Wiring Into Quick Disconnect
- Facilitate Field Replacements



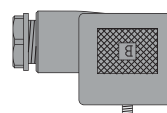
"A" Style Valve Connector

Application	Specifications	Straight Wired
"A" Style Valve Connector	0-220 VAC/DC, 10 A	VAS 3-AW



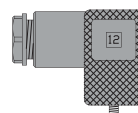
"B" Style Valve Connector

Application	Specifications	Straight Wired
"B" Style Valve Connector	0-220 VAC/DC, 10 A	VBS 2-AW



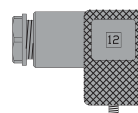
"I" Style Valve Connector

Application	Specifications	Straight Wired
"I" Style Valve Connector	0-220 VAC/DC, 10 A	VIS 2-AW



"C" (8 mm) Style Valve Connector

Application	Specifications	Straight Wired
"C" (8 mm) Style Valve Connector	0-220 VAC/DC, 10 A	TC8S 2-AW



"C" (9.4 mm) Style Valve Connector

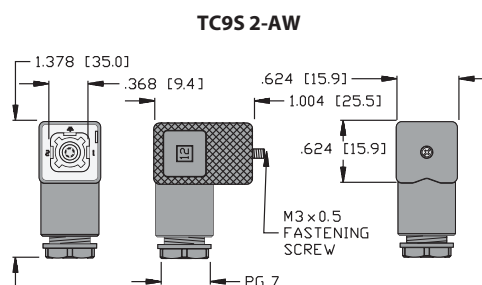
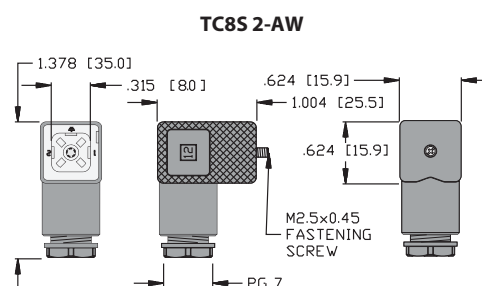
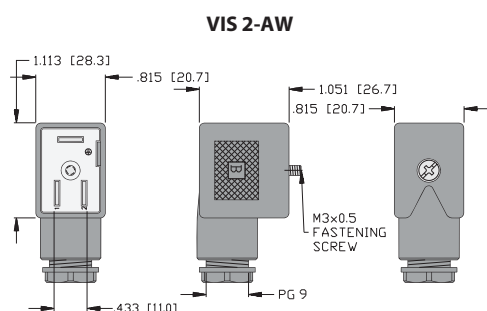
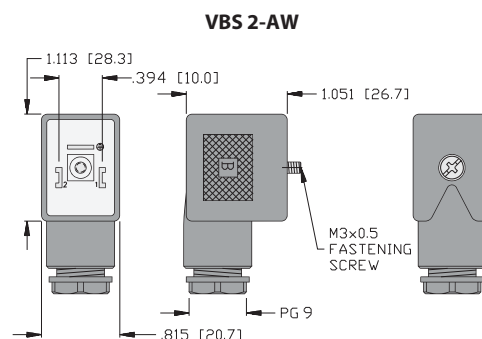
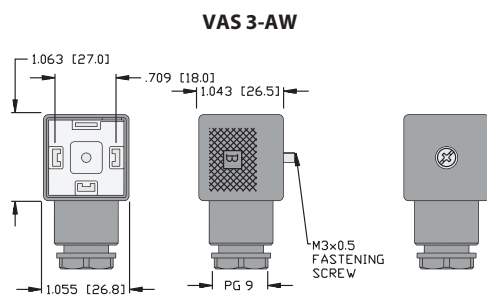
Application	Specifications	Straight Wired
"C" (9.4 mm) Style Valve Connector	0-220 VAC/DC, 10 A	TC9S 2-AW

We reserve the right to make technical alterations without prior notice.

Specifications

Housing:	Nylon, black.	Cable Gland:	PG 9 accepts cable diameter 6-8 mm. PG 7 accepts cable diameter 4-6 mm.
Connectors:	Nylon, black.	Temperature:	-25 °C to +90 °C (-13 °F to +194 °F).
Gasket:	Nitrile.	Protection Class:	NEMA 4, 6P and IEC IP 65.
Contacts:	Nickel plated brass		
Terminals:	Screw terminals, conductors to 14 AWG.		

Dimensions



We reserve the right to make technical alterations without prior notice.