



# Valve Connectors

Accessories ..... 216

DIN Form A.... 217-218



DIN Form B ..... 219



I/S Form B ..... 220



DIN Form C ..... 221



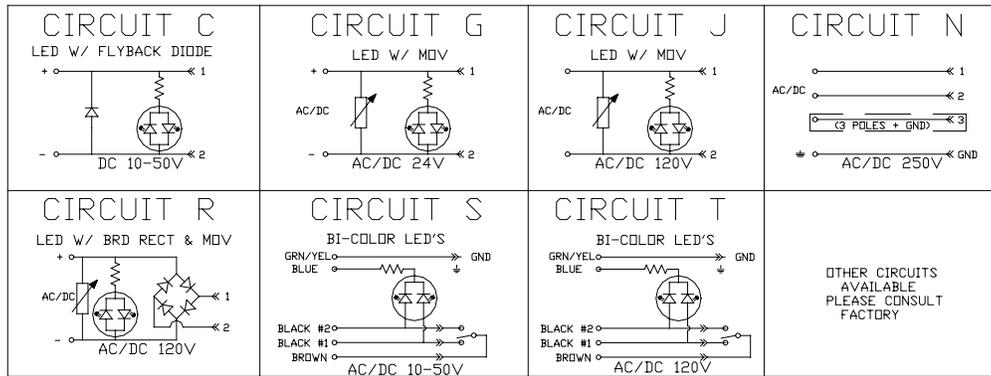
I/S Form C ..... 222



# Solenoid Valve Connectors

## Circuit Diagrams ❖ Accessories

Valve Connectors with LEDs are surge suppression aides in diagnostics and protection of equipment.



Male Bases: All connectors are made via solder tabs.

View	# of Poles	Maximum Conductor Size	Maximum Voltage	Material	Part Number
	2 + Ground	16 AWG	250 VAC	Polyamide	VMA-020-00
	3 + Ground	16 AWG	250 VAC	Polyamide	VMA-030-00

### Thumb Screws

View	Material	Part Number	Form Style
	Nickel Plated Copper Alloy	V-25TB	Cable Version Form A (VA Series) Cable Version Form B (VB Series) Cable Version Industry Standard B (VD Series) Field Wireable Industry Standard C (VE Series)
	Nickel Plated Copper Alloy	V-30TB	Field Wireable Form A (VA Series) Field Wireable Form B (VB Series) Field Wireable Industry Standard B (VD Series)

### DIN Form A (VA Series) Formed Gasket

View	Material	Part Number
	Thermoplastic	V-GPRA

All Valve Connectors come standard with mounting screws and a flat gasket.

# Solenoid Valve Connectors

Field Wireable ❖ DIN 43650 ❖ Form A



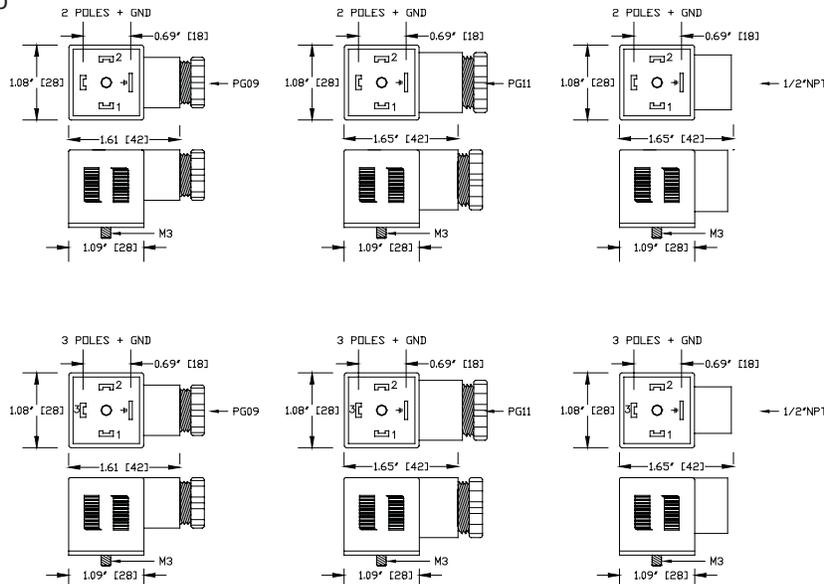
Valve Connectors

# of Poles	Voltage	Circuitry	Housing Color	Field Wireable Styles		
				1/2" NPT	Pg 9	Pg 11
				Conduit	6 to 8 mm Cables	8 to 10 mm Cables
2 + Ground	250V AC/DC (maximum)	None	Gray	N/A	VFN-029-00	VFN-021-00
			Black	VAN-022-00	VAN-029-00	VAN-021-00
3 + Ground	250V AC/DC (maximum)	None	Gray	N/A	VFN-039-00	VFN-031-00
			Black	VAN-032-00	VAN-039-00	VAN-031-00
2 + Ground	10-50V DC	LED w/ Flyback Diode	Clear	VAC-022-00	VAC-029-00	VAC-021-00
2 + Ground	24V AC/DC	LED w/ MOV	Clear	VAG-022-00	VAG-029-00	VAG-021-00
2 + Ground	120V AC/DC	LED w/ MOV	Clear	VAJ-022-00	VAJ-029-00	VAJ-021-00
2 + Ground	120V AC/DC	Bridge Rectifier w/ LED & MOV	Clear	VAR-022-00	VAR-029-00	VAR-021-00
3 + Ground	10-50V AC/DC	2-LED; Amber & Green	Clear	Not Available	VAS-039-00	VAS-031-00
3 + Ground	120V AC/DC	2-LED; Amber & Green	Clear	Not Available	VAT-039-00	VAT-031-00

The ground position is not applicable for field wireable versions.

## Specifications:

- Body: Polyamide
- Contacts: Copper Alloy with Silver Plating
- Gasket: Thermoplastic
- Screw: Steel Zinc Plate
- Range: PG 9 - 6 to 8 mm  
PG 11 - 8 to 10 mm
- Temperature: -40°C to 125°C (-40°F to +257°F)
- Protection: IP 65





# Solenoid Valve Connectors

Cabled Versions ❖ DIN 43650 ❖ Form A

# of Poles	Voltage	Circuitry See Page 216	Prewired Versions		
			2 M	5 M	10 M
2 + Ground	250V AC/DC (maximum)	None	VAN-220-00	VAN-520-00	VAN-A20-00
3 + Ground	250V AC/DC (maximum)	None	VAN-230-00**	VAN-530-00**	VAN-A30-00**
2 + Ground	10-50V DC	LED w/ Flyback Diode	VAC-220-00	VAC-520-00	VAC-A20-00
2 + Ground	24V AC/DC	LED w/ MOV	VAG-220-00	VAG-520-00	VAG-A20-00
2 + Ground	120V AC/DC	LED w/ MOV	VAJ-220-00	VAJ-520-00	VAJ-A20-00
2 + Ground	120V AC/DC	Bridge Rectifier w/ LED & MOV	VAR-220-00	VAR-520-00	VAR-A20-00
3 + Ground	10-50V AC/DC	2-LED; Amber & Green	VAS-230-00	VAS-530-00	VAS-A30-00
3 + Ground	120 V AC/DC	2-LED; Amber & Green	VAT-230-00	VAT-530-00	VAT-A30-00

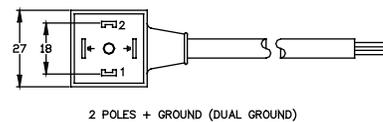
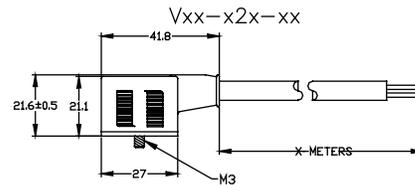
For cables with 3 + Ground, two standard orientations are available. Please refer to the part number system shown above each drawing shown below.

### Specifications:

- Body: Black Polyamide
- Contacts: Copper Alloy with Silver Plating
- Gasket: Thermoplastic
- Screw: Steel Zinc Plate
- Cable: Black PVC
- 2 Pole: 3x18 AWG; Cable O.D.: 0.25"
- 3 Pole: 4x18 AWG; Cable O.D.: 0.26"
- Temperature: -40°C to 80°C (-40°F to +176°F)
- Protection: IP 65

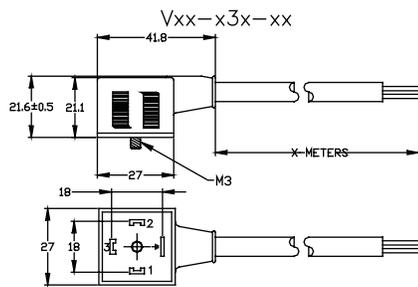
Valve Pin #	Color Code	
	2 + Ground	3 + Ground
1	Brown	Brown
2	Blue	Gray*
3	N/A	Black
Ground	Green/Yellow	Green/Yellow

\* Formerly Blue

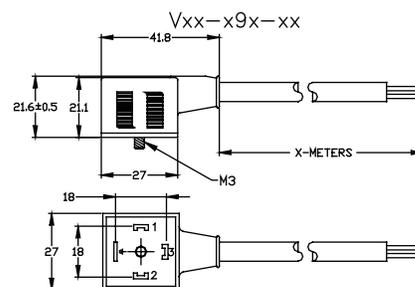


2 POLES + GROUND (DUAL GROUND)

\*\*2 Ground locations available for 3+ Ground versions.



3 POLES + GROUND (GROUND CABLE SIDE)



3 POLES + GROUND (GROUND OPPOSITE CABLE SIDE)

# Solenoid Valve Connectors

Field Wireable & Cables ❖ DIN 43650 ❖ Form B



# of Poles	Voltage	Circuitry See Page 216	Field Wireable		Prewired Styles (Ground toward Cable)		
			1/2" NPT Conduit	PG 9 6 to 8 mm	2 M	5 M	10 M
2 + Ground	250 VAC (maximum)	None		VGN-029-00 (Gray)	VBN-220-00	VBN-520-00	VBN-A20-00
			VBN-022-00	VBN-029-00 (Black)			
2 + Ground	10-50V DC	LED w/ Flyback Diode	VBC-022-00	VBC-029-00	VBC-220-00	VBC-520-00	VBC-A20-00
2 + Ground	24V AC/DC	LED w/ MOV	VBG-022-00	VBG-029-00	VBG-220-00	VBG-520-00	VBG-A20-00
2 + Ground	120V AC/DC	LED w/ MOV	VBJ-022-00	VBJ-029-00	VBJ-220-00	VBJ-520-00	VBJ-A20-00

The ground position is not applicable for field wireable versions.

## Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Insert: Polyamide  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

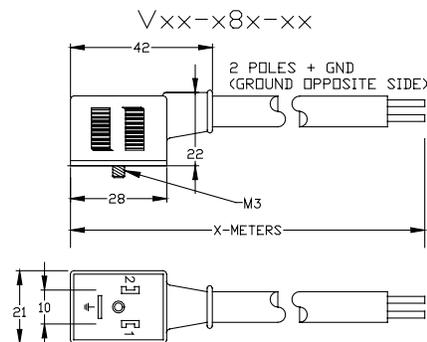
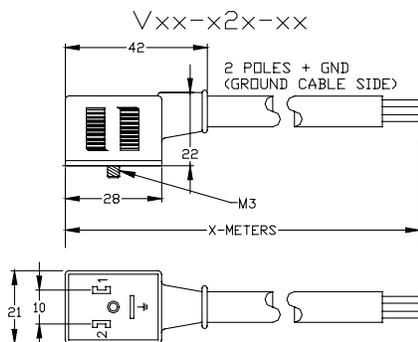
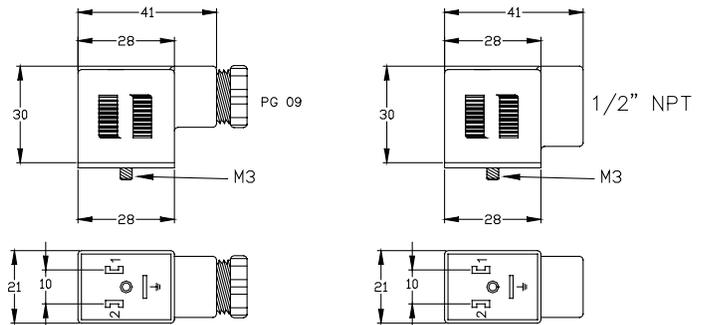
Valve Pin #	Color Code
1	Brown
2	Blue
Ground	Green/Yellow

## Field Wireable Specifications:

Cable O.D.: PG 9 - 6 to 8 mm

## Cable Version Specifications:

Body: Black Polyamide  
 Cable: Black PVC  
 2 Pole: 3x18 AWG; Cable O.D.: 0.23"



Valve Connectors



# Solenoid Valve Connectors

Field Wireable & Cables ❖ Industry Standard ❖ Form B

# of Poles	Voltage	Circuitry See Page 216	Field Wireable		Prewired Styles (Ground toward Cable)		
			1/2" NPT Conduit	PG 9 6 to 8 mm	2 M	5 M	10 M
2 + Ground	250 VAC (maximum)	None		VJN-029-00 (Gray)	VDN-220-00	VDN-520-00	VDN-A20-00
			VDN-022-00 (Black)	VDN-029-00 (Black)			
2 + Ground	10-50V DC	LED w/ Flyback Diode	VDC-022-00	VDC-029-00	VDC-220-00	VDC-520-00	VDC-A20-00
2 + Ground	24V AC/DC	LED w/ MOV	VDG-022-00	VDG-029-00	VDG-220-00	VDG-520-00	VDG-A20-00
2 + Ground	120V AC/DC	LED w/ MOV	VDJ-022-00	VDJ-029-00	VDJ-220-00	VDJ-520-00	VDJ-A20-00

The ground position is not applicable for field wireable versions.

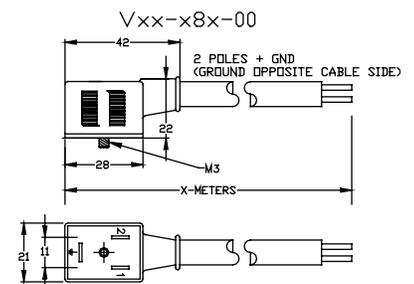
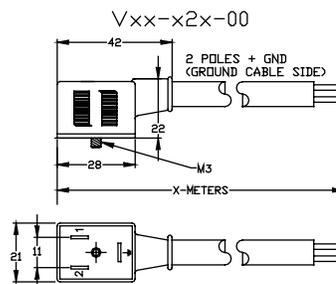
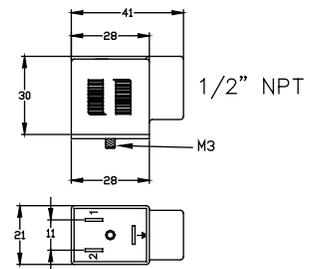
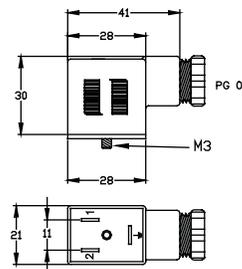
## Field Wireable Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Insert: Polyamide  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Cable O.D.: PG 9 - 6 to 8 mm  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

Valve Pin #	Color Code
1	Brown
2	Blue
Ground	Green/Yellow

## Cable Version Specifications:

Body: Black Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Insert: Polyamide  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Cable: Black PVC  
 2 Pole: 3x18 AWG; Cable O.D.: 0.23"  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65



# Solenoid Valve Connectors

Field Wireable & Cables ❖ DIN 43650 ❖ Form C



# of Poles	Voltage	Circuitry See Page 216 for Schematic	Field Wireable	Prewire Styles		
			Pg 7 6 to 7 mm	2 M	5 M	10 M
2 + Ground	250V AC/DC	None	VHN-027-00 (Gray)	VCN-220-00	VCN-520-00	VCN-A20-00
			VCN-027-00 (Black)			
3 + Ground	250V AC/DC	None	VHN-037-00 (Gray)	VCN-230-00**	VCN-530-00**	VCN-A30-00**
			VCN-037-00 (Black)			
2 + Ground	10-50V DC	LED w/ Flyback Diode	VCC-027-00	VCC-220-00	VCC-520-00	VCC-A20-00
2 + Ground	24V AC/DC	LED w/ MOV	VCG-027-00	VCG-220-00	VCG-520-00	VCG-A20-00
2 + Ground	120V AC/DC	LED w/ MOV	VCJ-027-00	VCJ-220-00	VCJ-520-00	VCJ-A20-00

The ground position is not applicable for field wireable versions.

## Field Wireable Specifications:

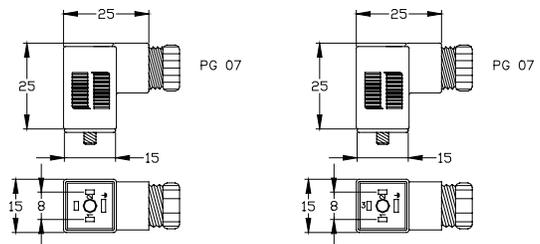
Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Insert: Polyamide  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Cable O.D.: PG 7 - 6 to 7 mm  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

Valve Pin #	Color Code	
	2 + Ground	3 + Ground
1	Brown	Brown
2	Blue	Gray*
3	N/A	Black
Ground	Green/Yellow	Green/Yellow

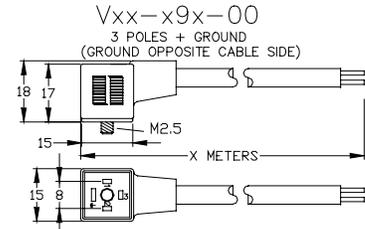
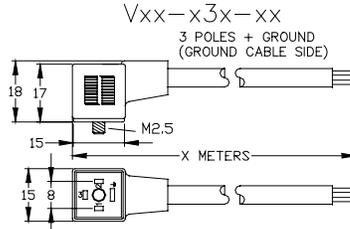
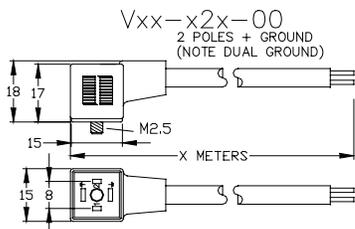
\* Formerly Blue

## Cable Version Specifications:

Body: Black Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Insert: Polyamide  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Cable: Black PVC  
 2 Pole: 3x18 AWG; Cable O.D.: 0.23"  
 3 Pole: 4x20 AWG; Cable O.D.: 0.26"  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65



\*\* 2 Ground locations available for 3+ Ground versions.





# Solenoid Valve Connectors

Field Wireable & Cables ❖ Industry Standard ❖ Form C

# of Poles	Voltage	Circuitry See Page 216	Field Wireable	Prewired Styles		
			Pg 7 6 to 7 mm	2 M	5 M	10 M
2 + Ground	250V AC/DC	None	VKN-027-00 (Gray)	VEN-220-00	VEN-520-00	VEN-A20-00
			VEN-027-00 (Black)			
3 + Ground	250V AC/DC	None	VKN-037-00 (Gray)	VEN-230-00**	VEN-530-00**	VEN-A30-00**
			VEN-037-00 (Black)			
2 + Ground	10-50V DC	LED w/ Flyback Diode	VEC-027-00	VEC-220-00	VEC-520-00	VEC-A20-00
2 + Ground	24V AC/DC	LED w/ MOV	VEG-027-00	VEG-220-00	VEG-520-00	VEG-A20-00
2 + Ground	120V AC/DC	LED w/ MOV	VEJ-027-00	VEJ-220-00	VEJ-520-00	VEJ-A20-00

The ground position is not applicable for field wireable versions.

## Field Wireable Specifications:

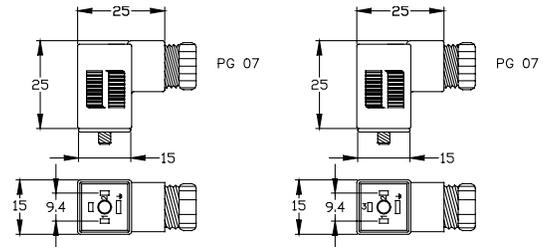
Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Cable O.D.: PG 7 - 6 to 7 mm  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

Valve Pin #	Color Code	
	2 + Ground	3 + Ground
1	Brown	Brown
2	Blue	Gray*
3	N/A	Black
Ground	Green/Yellow	Green/Yellow

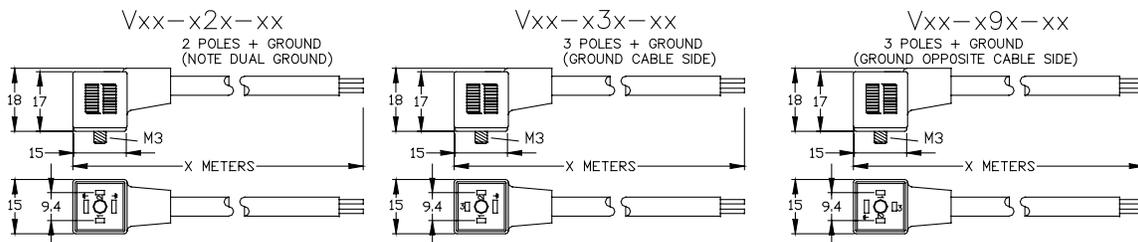
\* Formerly Blue

## Cable Version Specifications:

Body: Black Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Cable: Black PVC  
 2 Pole: 3x18 AWG; Cable O.D.: 0.23"  
 3 Pole: 4x20 AWG; Cable O.D.: 0.26"  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65



\*\* 2 Ground locations available for 3+ Ground versions.



# Solenoid Valve Connectors



DIN A to Micro-DC Male Receptacle ❖ DIN 43650 ❖ Form A to M12 (MDC)

# of Poles	Voltage	Circuitry See Page 216	Housing Color	M12 (MDC) # of Poles	
				4	5
2 + Ground	250V AC/DC (maximum)	None	Gray	VFN-029-3401	VFN-029-3501
			Black	VAN-029-3401	VAN-029-3501
2 + Ground	10-50V DC	LED w/ Flyback Diode	Clear	VAC-029-3401	VAC-029-3501
2 + Ground	24V AC/DC	LED w/ MOV	Clear	VAG-029-3401	VAG-029-3501
2 + Ground	120V AC/DC	LED w/ MOV	Clear	VAJ-029-3401	VAJ-029-3501
2 + Ground	120V AC/DC	Bridge Rectifier w/ LED & MOV	Clear	VAR-029-3401	VAR-029-3501

The ground position is not connected on the 4 Pole Version.

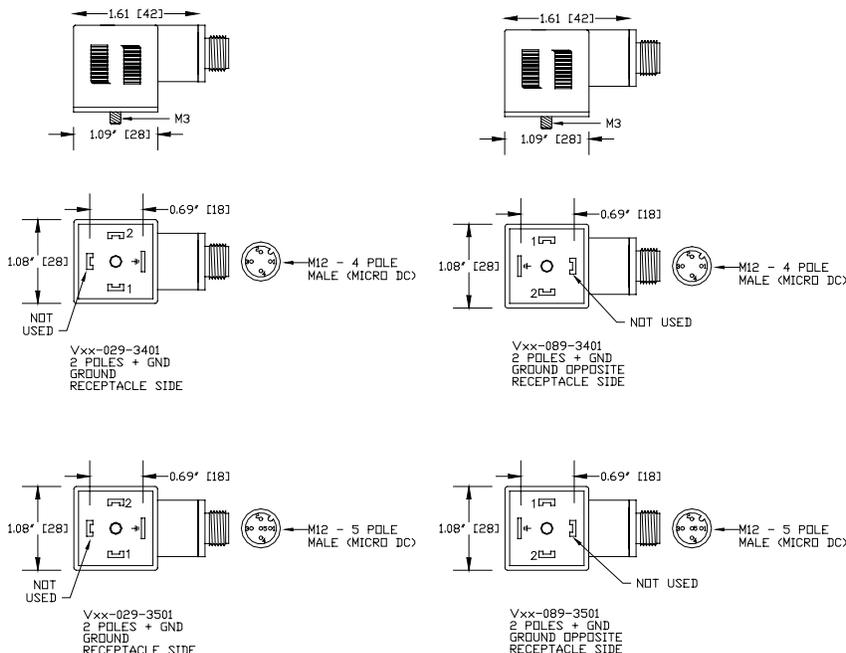
## DIN Connector Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

## MDC Connector Specifications:

Body: Nickel Plated Brass  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 O-Ring: BUNA-N  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

DIN 43650 Form A	M12 (MDC) 4 Pole	M12 (MDC) 5 Pole
Pin #	Pin #	Pin #
1	4	4
2	3	3
Ground		5
3 Not Used	1, 2 & 5 Not Used	1 & 2 Not Used





# Solenoid Valve Connectors

DIN A to Micro-DC 4 Pole Male Plug ❖ DIN 43650 ❖ Form A to MDC (M12)

# of Poles	Voltage	Circuitry	M12 (MDC) 4 Pole Cable Straight Male			M12 (MDC) 4 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VAN-220-3401	VAN-520-3401	VAN-A20-3401	VAN-220-3402	VAN-520-3402	VAN-A20-3402
2 + Ground	24V AC/DC	LED w/ MOV	VAG-220-3401	VAG-520-3401	VAG-A20-3401	VAG-220-3402	VAG-520-3402	VAG-A20-3402
2 + Ground	120V AC/DC	LED w/ MOV	VAJ-220-3401	VAJ-520-3401	VAJ-A20-3401	VAJ-220-3402	VAJ-520-3402	VAJ-A20-3402

Other circuit options are available, please consult the factory.  
MDC Right Angle Versions are non-stock items.

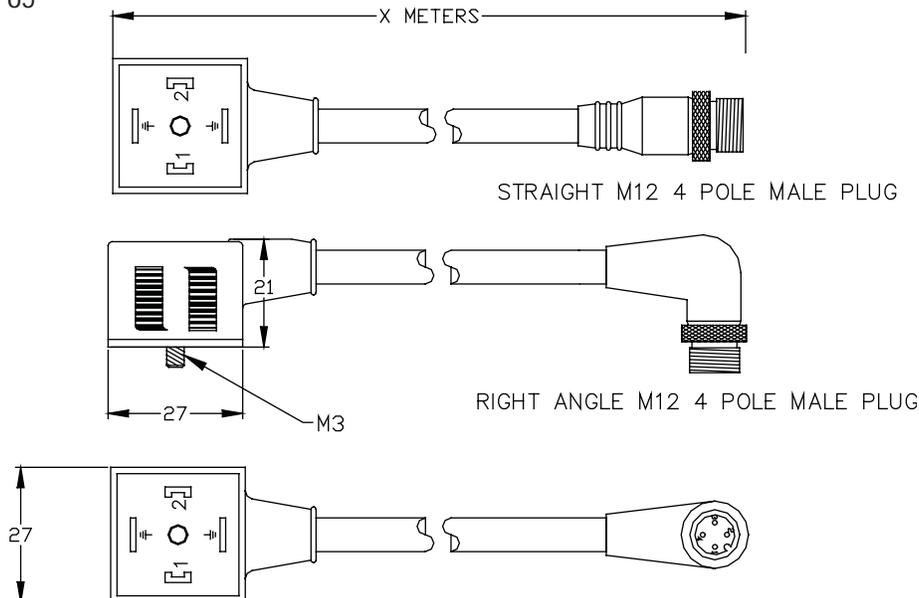
### DIN Connector Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

DIN 43650 Form A	M12 (MDC) 4 Pole
Pin #	Pin #
1	4
2	3
Ground Not Used	1, 2 & 5 Not Used

### MDC Connector Specifications:

Body: Nickel Plated Brass  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 O-Ring: BUNA-N  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65



# Solenoid Valve Connectors



DIN A to Micro-DC 5 Pole Male Plug ❖ DIN 43650 ❖ Form A to MDC (M12)

# of Poles	Voltage	Circuitry	M12 (MDC) 5 Pole Cable Straight Male			M12 (MDC) 5 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VAN-220-3501	VAN-520-3501	VAN-A20-3501	VAN-220-3502	VAN-520-3502	VAN-A20-3502
2 + Ground	24V AC/DC	LED w/ MOV	VAG-220-3501	VAG-520-3501	VAG-A20-3501	VAG-220-3502	VAG-520-3502	VAG-A20-3502
2 + Ground	120V AC/DC	LED w/ MOV	VAJ-220-3501	VAJ-520-3501	VAJ-A20-3501	VAJ-220-3502	VAJ-520-3502	VAJ-A20-3502

Other circuit options are available, please consult the factory.  
MDC Right Angle Versions are non-stock items.

### DIN Connector Specifications:

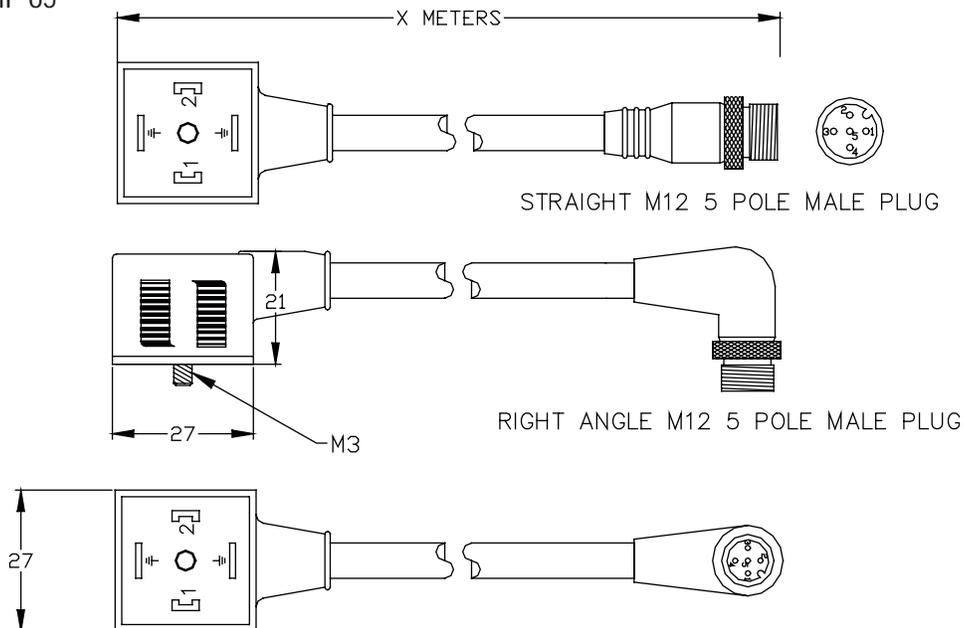
Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

### MDC Connector Specifications:

Body: Nickel Plated Brass  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 O-Ring: BUNA-N  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

DIN 43650 Form A	M12 (MDC) 5 Pole
Pin #	Pin #
1	4
2	3
Ground	5
	1 & 2 Not Used

Valve Connectors



# Solenoid Valve Connectors

## Industry Standard Form B to Micro-DC Male Receptacle

# of Poles	Voltage	Circuitry	Housing Color	M12 (MDC) # of Poles	
				4	5
2 + Ground	250V AC/DC (maximum)	None	Gray	VJN-029-3401	VJN-029-3501
			Black	VDN-029-3401	VDN-029-3501
2 + Ground	10-50V DC	LED w/ Flyback Diode	Clear	VDC-029-3401	VDC-029-3501
2 + Ground	24V AC/DC	LED w/ MOV	Clear	VDG-029-3401	VDG-029-3501
2 + Ground	120V AC/DC	LED w/ MOV	Clear	VDJ-029-3401	VDJ-029-3501

Other circuit options are available, please consult the factory.

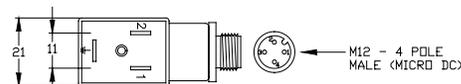
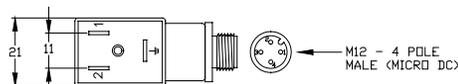
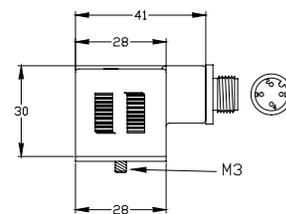
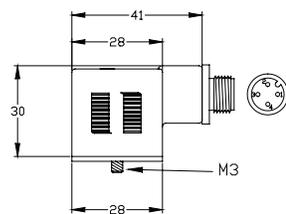
### DIN Connector Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

### MDC Connector Specifications:

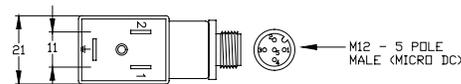
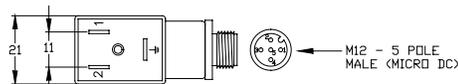
Body: Nickel Plated Brass  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 O-Ring: BUNA-N  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

DIN 43650 I. S. B.	M12 (MDC) 4 Pole	M12 (MDC) 5 Pole
Pin #	Pin #	Pin #
1	4	4
2	3	3
Ground	Not Used	5
	1, 2 & 5 Not Used	1 & 2 Not Used



Vxx-029-3401  
GROUND TOWARD  
RECEPTACLE SIDE

Vxx-089-3401  
GROUND OPPOSITE  
RECEPTACLE SIDE



Vxx-029-3501  
GROUND TOWARD  
RECEPTACLE SIDE

Vxx-089-3501  
GROUND OPPOSITE  
RECEPTACLE SIDE

# Solenoid Valve Connectors



Industry Standard Form B to Micro-DC Male Plug

# of Poles	Voltage	Circuitry	M12 (MDC) 4 Pole Cable Straight Male			M12 (MDC) 4 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VDN-220-3401	VDN-520-3401	VDN-A20-3401	VDN-220-3402	VDN-520-3402	VDN-A20-3402
2 + Ground	24V AC/DC	LED w/ MOV	VDG-220-3401	VDG-520-3401	VDG-A20-3401	VDG-220-3402	VDG-520-3402	VDG-A20-3402
2 + Ground	120V AC/DC	LED w/ MOV	VDJ-220-3401	VDJ-520-3401	VDJ-A20-3401	VDJ-220-3402	VDJ-520-3402	VDJ-A20-3402

# of Poles	Voltage	Circuitry	M12 (MDC) 5 Pole Cable Straight Male			M12 (MDC) 5 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VDN-220-3501	VDN-520-3501	VDN-A20-3501	VDN-220-3502	VDN-520-3502	VDN-A20-3502
2 + Ground	24V AC/DC	LED w/ MOV	VDG-220-3501	VDG-520-3501	VDG-A20-3501	VDG-220-3502	VDG-520-3502	VDG-A20-3502
2 + Ground	120V AC/DC	LED w/ MOV	VDJ-220-3501	VDJ-520-3501	VDJ-A20-3501	VDJ-220-3502	VDJ-520-3502	VDJ-A20-3502

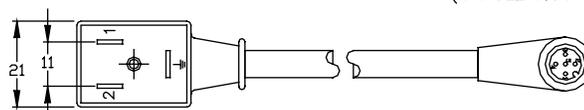
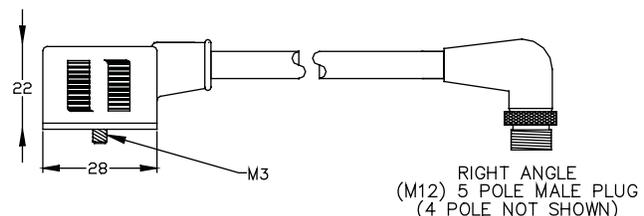
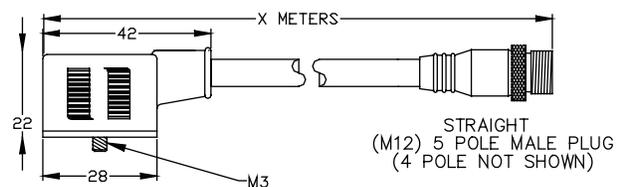
## DIN Connector Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

DIN 43650 I. S. B.	M12 (MDC) 4 Pole	M12 (MDC) 5 Pole
Pin #	Pin #	Pin #
1	4	4
2	3	3
Ground	Not Used	5
	1, 2 & 5 Not Used	1 & 2 Not Used

## MDC Connector Specifications:

Body: Nickel Plated Brass  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 O-Ring: BUNA-N  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65





# Solenoid Valve Connectors

DIN 43650 Form C to Micro-DC Male Plug ❖ DIN 43650 ❖ Form C to MDC

# of Poles	Voltage	Circuitry	M12 (MDC) 4 Pole Cable Straight Male			M12 (MDC) 4 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VCN-220-3401	VCN-520-3401	VCN-A20-3401	VCN-220-3402	VCN-520-3402	VCN-A20-3402
2 + Ground	24V AC/DC	LED w/ MOV	VCG-220-3401	VCG-520-3401	VCG-A20-3401	VCG-220-3402	VCG-520-3402	VCG-A20-3402
2 + Ground	120V AC/DC	LED w/ MOV	VCJ-220-3401	VCJ-520-3401	VCJ-A20-3401	VCJ-220-3402	VCJ-520-3402	VCJ-A20-3402

# of Poles	Voltage	Circuitry	M12 (MDC) 5 Pole Cable Straight Male			M12 (MDC) 5 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VCN-220-3501	VCN-520-3501	VCN-A20-3501	VCN-220-3502	VCN-520-3502	VCN-A20-3502
2 + Ground	24V AC/DC	LED w/ MOV	VCG-220-3501	VCG-520-3501	VCG-A20-3501	VCG-220-3502	VCG-520-3502	VCG-A20-3502
2 + Ground	120V AC/DC	LED w/ MOV	VCJ-220-3501	VCJ-520-3501	VCJ-A20-3501	VCJ-220-3502	VCJ-520-3502	VCJ-A20-3502

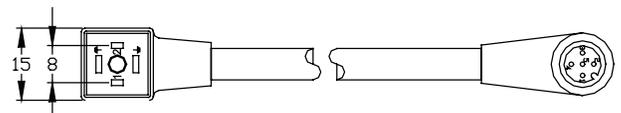
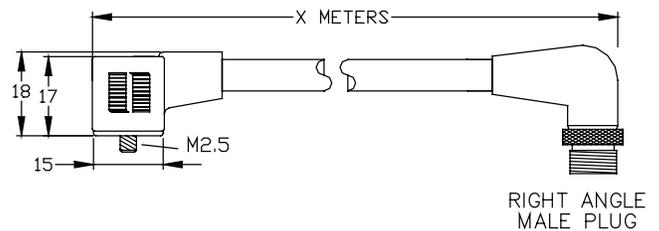
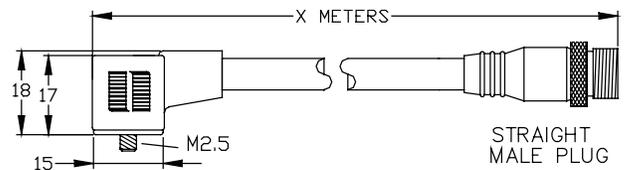
## DIN Connector Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

## MDC Connector Specifications:

Body: Nickel Plated Brass  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 O-Ring: BUNA-N  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

DIN 43650 Form C	M12 (MDC) 4 Pole	M12 (MDC) 5 Pole
Pin #	Pin #	Pin #
1	4	4
2	3	3
Ground	Not Used	5
	1, 2 & 5 Not Used	1 & 2 Not Used



Valve Connectors

# Solenoid Valve Connectors



Industry Standard Form C to Micro-DC Male Plug

# of Poles	Voltage	Circuitry	M12 (MDC) 4 Pole Cable Straight Male			M12 (MDC) 4 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VEN-220-3401	VEN-520-3401	VEN-A20-3401	VEN-220-3402	VEN-520-3402	VEN-A20-3402
2 + Ground	24V AC/DC	LED w/ MOV	VEG-220-3401	VEG-520-3401	VEG-A20-3401	VEG-220-3402	VEG-520-3402	VEG-A20-3402
2 + Ground	120V AC/DC	LED w/ MOV	VEJ-220-3401	VEJ-520-3401	VEJ-A20-3401	VEJ-220-3402	VEJ-520-3402	VEJ-A20-3402

# of Poles	Voltage	Circuitry	M12 (MDC) 5 Pole Cable Straight Male			M12 (MDC) 5 Pole Cable Right Angle Male		
			2 M	5 M	10 M	2 M	5 M	10 M
2 + Ground	250V AC/DC (max.)	None	VEN-220-3501	VEN-520-3501	VEN-A20-3501	VEN-220-3502	VEN-520-3502	VEN-A20-3502
2 + Ground	24V AC/DC	LED w/ MOV	VEG-220-3501	VEG-520-3501	VEG-A20-3501	VEG-220-3502	VEG-520-3502	VEG-A20-3502
2 + Ground	120V AC/DC	LED w/ MOV	VEJ-220-3501	VEJ-520-3501	VEJ-A20-3501	VEJ-220-3502	VEJ-520-3502	VEJ-A20-3502

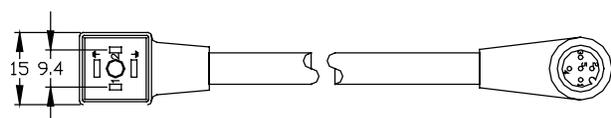
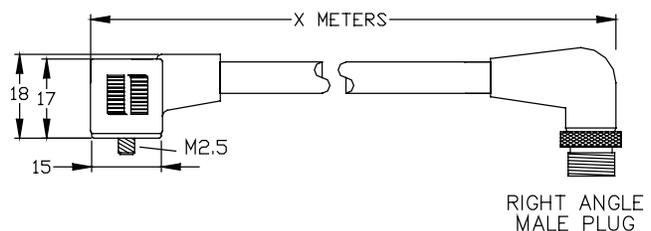
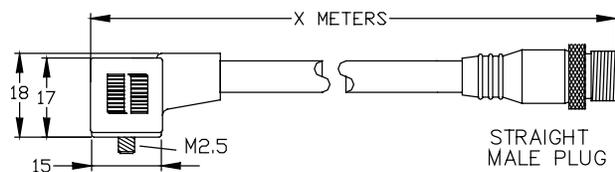
### DIN Connector Specifications:

Body: Polyamide  
 Contacts: Copper Alloy with Silver Plating  
 Gasket: Thermoplastic  
 Screw: Steel Zinc Plate  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

### MDC Connector Specifications:

Body: Oil Resistant Yellow PVC  
 Insulator: Polyamide  
 Contacts: Copper Alloy with Gold Plating  
 Coupling Nut: Nickel Plated Brass  
 Temperature: -40°C to 80°C (-40°F to +176°F)  
 Protection: IP 65

I.S.C	M12 (MDC) 4 Pole	M12 (MDC) 5 Pole
Pin #	Pin #	Pin #
1	4	4
2	3	3
Ground	Not Used	5
	1, 2 & 5 Not Used	1 & 2 Not Used



Valve Connectors

