



**canfield
connector**

5FR SERIES

RECTIFIED
MOLDED

SOLENOID VALVE CONNECTORS

GENERAL DESCRIPTION

The Canfield Connector 5FR Series solenoid valve connectors incorporate a full-wave bridge rectifier inside a fully molded connector. The 5FR converts alternating current to direct current reducing coil burnout due to valve sticking. Also, direct current eliminates AC "hum" inherent to alternating current. Made from rugged yet flexible polyurethane, the connector housing boasts high durability factors and application versatility. The low profile "straight-line" interface/cord configuration allows for installation in many limited space applications. The integrated gasket design boasts an IP67/NEMA 6 rating and makes it impossible to lose the gasket! Features bi-directional indicator lights, and load suppression (not intended for UL 1449). The 5FR Series is proudly made in the U.S.A.

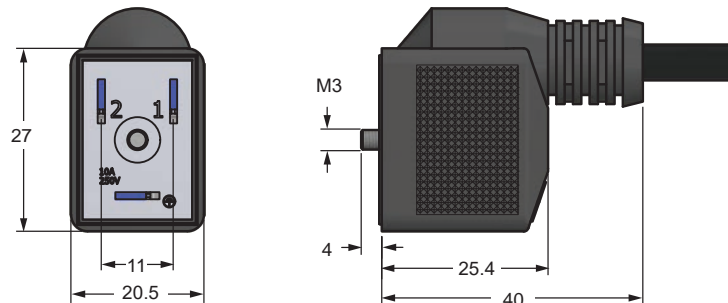


ISO, Unlighted version shown above

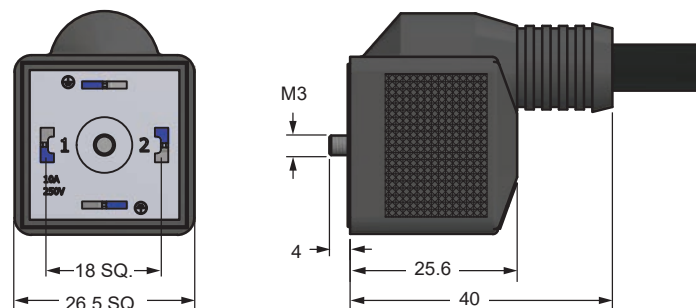
DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

MINI



ISO





TECHNICAL DATA

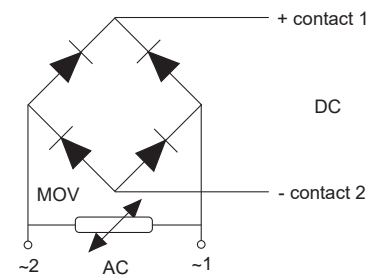
Current Max.	Continuous: 1 Amps Inrush: 15 Amps for 15 ms
Voltage Max.	250 VAC 50/60 Hz
Voltage Drop	2.2 Volts Max.
Materials	Enclosure: Polyurethane Gasket: Polyurethane
Temperature Range	-20° to +80°C
Environmental Protection	IP 67 AND NEMA 6, Dust tight and water resistant
Cable Diameter	ISO / MINI: EU (European) / US (U.S.A.): 0.275 ISO / MINI: HU (Hard Usage): .300
Cable Conductor Colors	EU Code: Blue, brown, yellow/green US Code: Black, green, white (Others available on request)
Cable Type	Pressure extruded PVC jacket Hard usage cordage "S" type with SJTOW standard PVC jacket (Others available on request)
Wire Gauge	18 AWG standard
Size	ISO: 18mm pin spacing - DIN Style "A" EN175301-803 MINI: 11mm pin spacing - Industry Standard
Number of Contacts	2+ ground

NOTE: Slight discoloration may occur to translucent material after prolonged exposure to UV rays.

WIRING INFORMATION

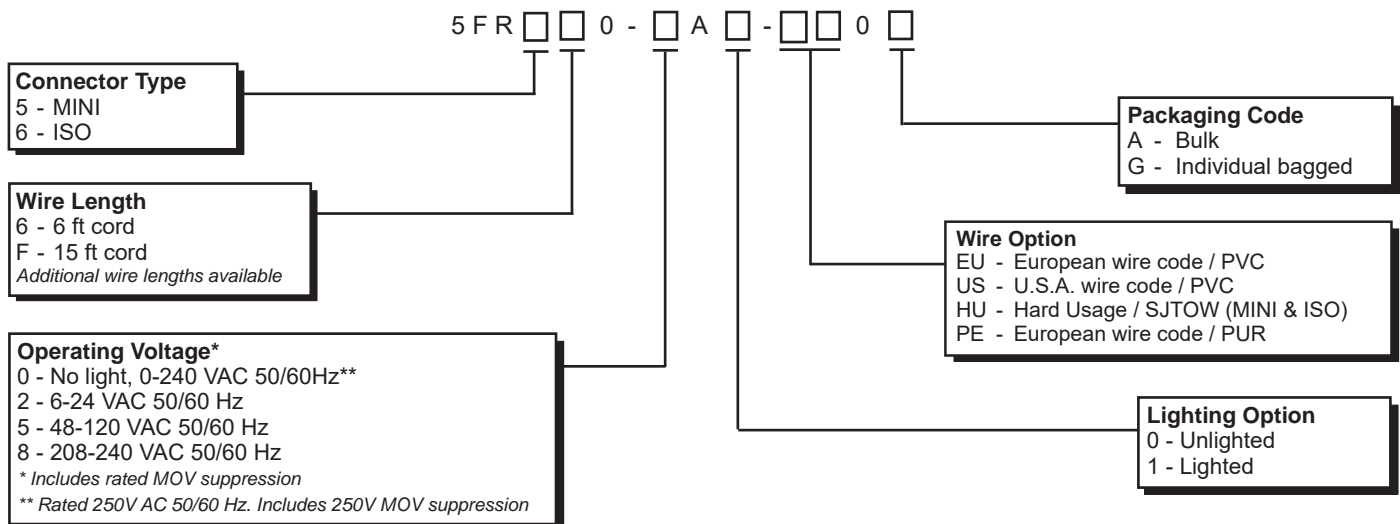
Terminal Configuration		
Wire Type	EUR	US / HU
Chassis Ground	YEL & GRN	GRN
(+) Pos. / Hot Pin 1	BRN	BLK
(-) Neg. / Neut. Pin 2	BLU	WHT

SCHEMATIC



ORDERING INFORMATION

All connectors come standard with integrated gasket and screw.



Consult factory for available versions recognized under the Component Program of Underwriters Laboratories, Inc.



Consult factory for available versions listed by Canadian Standards Association for use with certified electrical equipment.

Ordering Example: 5FR660-2A1-US0A

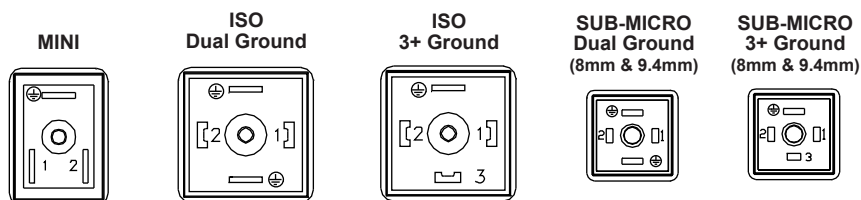
ISO, 6 ft wire length, 6-24 VAC 50/60 Hz, Lighted, U.S.A. wire code / PVC jacket, bulk

Molded Solenoid Valve Connector

Wiring Diagram



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TERMINAL CONFIGURATION				
Wire Type	Chassis Ground	(+) Positive / Hot Pin 1	(-) Negative / Neutral Pin 2	Signal Pin 3
EUR	yellow & green	brown	blue	black
US / HU	green	black	white	red

Note: Slight discoloration may occur to translucent material after prolonged exposure to UV rays.

A56-1354 Rev. 02

Molded Solenoid Valve Connector

Wiring Diagram



TERMINAL CONFIGURATION				
Wire Type	Chassis Ground	(+) Positive / Hot Pin 1	(-) Negative / Neutral Pin 2	Signal Pin 3
EUR	yellow & green	brown	blue	black
US / HU	green	black	white	red

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A56-1354 Rev. 02

Molded Solenoid Valve Connector

Wiring Diagram



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A56-1354 Rev. 02

Molded Solenoid Valve Connector



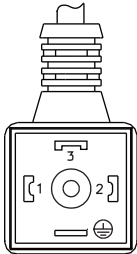
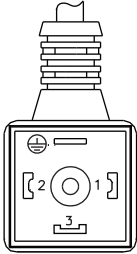
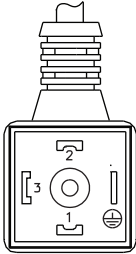
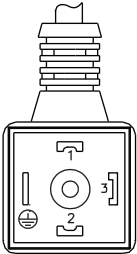
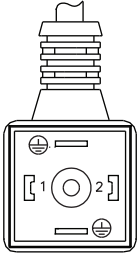


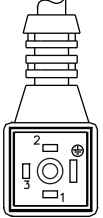
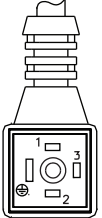

Wiring Diagram

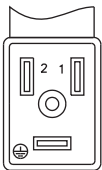

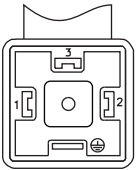
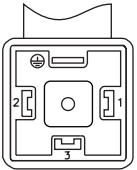
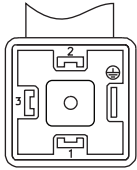
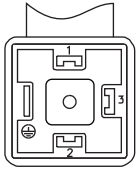


TERMINAL CONFIGURATION				
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EUR	yellow & green	brown	blue	black
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A56-1354 Rev. 02

Molded Connector Orientation Options					
	Ground Down	Ground Up	Ground Right	Ground Left	Dual Ground
MINI			--	--	--
ISO					
Sub-Micro (8mm & 9.4mm)					

Field Wireable Connector Orientation Options				
	Ground Down	Ground Up	Ground Right	Ground Left
MINI			--	--
ISO				
Sub-Micro (8mm & 9.4mm)	