

**canfield
connector**

5K SERIES

ISO

LIGHTED, LOAD SUPPRESSED MOLDED
SOLENOID VALVE CONNECTORS

GENERAL DESCRIPTION

The Canfield Connector 5K Series DIN solenoid valve connector all molded cord assembly offers a rugged one-piece design that is far better for environmental integrity than field wire solenoid valve connectors. Made from rugged yet flexible polyurethane, the connector housing boasts high durability factors and application versatility. The low profile "90°" interface/cord configuration allows for installation in many limited space applications. The 5K Series is different than the 5J Series version and is offered without the integrated gasket design in order to promote version compatibility as with the Canfield Connector MCCR and iLW. The 5K boasts an IP67/NEMA 6 rating when gasket is applied. The 5K Series as well as the 5F Series and 5J Series are the only molded valve connectors in the industry that feature a Hard Usage cord option in any length required, bi-directional indicator lights, and load suppression (not intended for UL 1449), and is Proudly Made in the U.S.A.

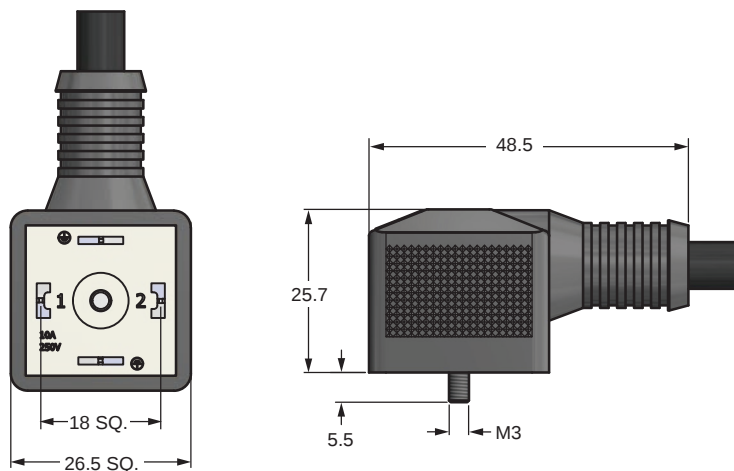


ISO, Unlighted version shown above

DIMENSIONAL DATA

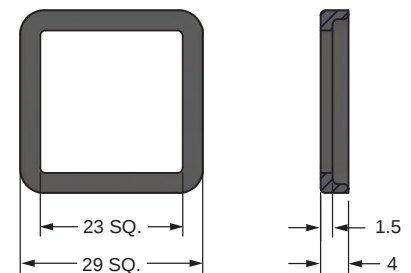
All dimensions are in millimeters unless otherwise noted.

ISO
Dual Ground Shown

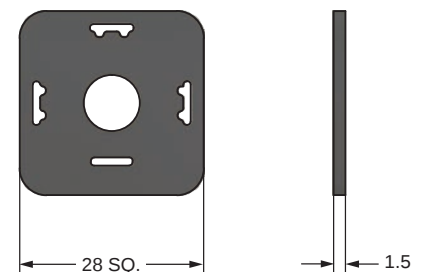


GASKET OPTIONS

Profile



Flat





TECHNICAL DATA

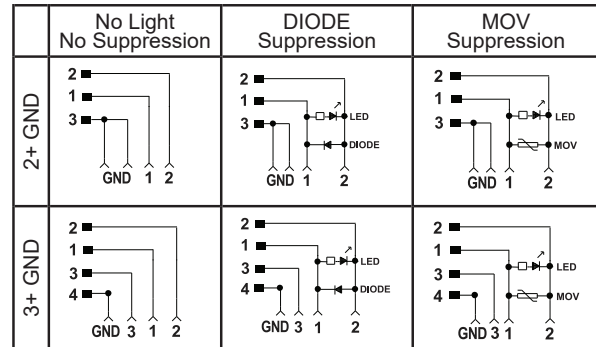
Current Max	10 Amps
Voltage Max.	250 VAC 50/60 Hz, 300 VDC
Materials	Enclosure: Polyurethane Gasket: Polyurethane
Temperature Range	-20° to +80°C
Environmental Protection	IP 67 AND NEMA 6, Dust tight and water resistant (with gasket)
Cable Diameter	EU (European) / US (U.S.A.): 0.275 HU (Hard Usage): .300
Cable Conductor Colors	EU Code: Blue, brown, yellow/green (4th conductor version black) US Code: Black, green, white (4th conductor version red) (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 20 AWG standard
Size	18mm pin spacing - DIN Style "A" EN175301-803
Number of Contacts	2+ ground 3+ 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
Signal Pin 3	BLK	RED

CIRCUIT TYPES



ORDERING INFORMATION

All connectors come standard with screw.

5 K 1 ☐ ☐ ☐ ☐ - ☐ ☐ ☐ ☐ - ☐ ☐ ☐ ☐

Connector Type
6 - ISO

Gasket Type
0 - No Gasket (Standard)
1 - Nitrile
2 - Profile Nitrile
3 - Silicone

Wire Length
6 - 6 ft cord
F - 15 ft cord
Additional wire lengths available

Contacts
2 - 3+ground down
3 - 3+ground up
4 - 2+dual ground
Additional ground orientations available

Operating Voltage
0 - No light, no suppression***
2 - 6-24V AC/DC 50/60 Hz
5 - 48-120V AC/DC 50/60Hz
8 - 208-240V AC 50/60Hz
A - 6-24VDC (Diode only)
*** Rated 250V AC 50/60Hz, 300V DC

Accessories:
WM-315 ISO/MINI Standard Wire Markers 10X Bag

Packaging Code
A - Bulk
G - Individual bagged

Housing Color
0 - Black (standard)
Translucent (if lighted)
1 - Gray

Wire Option
EU - European wire code / PVC
US - U.S.A. wire code / PVC
HU - Hard Usage / SJTOW (MINI & ISO)
PE - European wire code / PUR
High flex, shielded and high temperature wire available

Lighting Option
0 - Unlighted
1 - Lighted**
** NOT available in 3+ ground

Suppression Type
0 - None
1 - Diode (DC only)**
5 - Metal Oxide Varistor (MOV)**
** NOT available in 3+ ground

Ordering Example: 5K16064-251-US0A

ISO, No Gasket, 6 ft wire length, 2+ dual ground, 6-24V AC/DC 50/60 Hz, MOV, lighted, U.S.A. wire code / PVC jacket, black housing, bulk



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

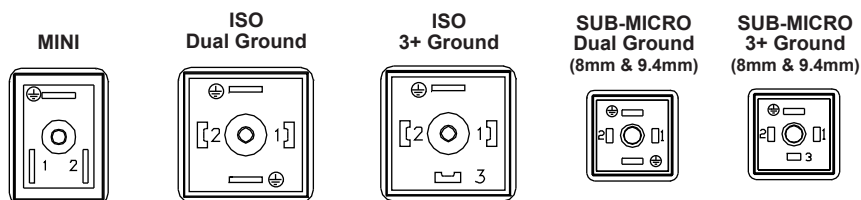
	Ground Down	Ground Up	Ground Right	Ground Left
MINI			--	--
ISO				
Sub-Micro (8mm & 9.4mm)				

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



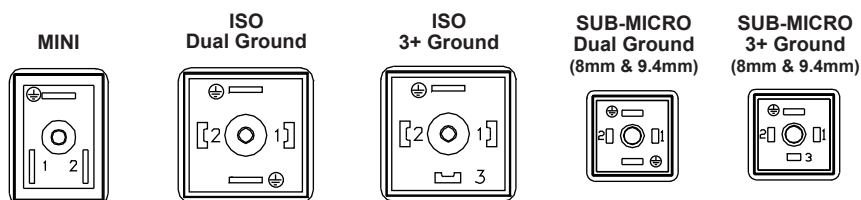
TERMINAL CONFIGURATION				
Wire Type	Chassis Ground 	(+) Positive / Hot Pin 1	(-) Negative / Neutral Pin 2	Signal Pin 3
EUR	yellow & green	brown	blue	black
US / HU	green	black	white	red

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A56-1354 Rev. 02

Molded Solenoid Valve Connector

Wiring Diagram



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Wiring Diagram



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