

**canfield connector**  
 8510 Foxwood Court  
 Youngstown, Ohio 44514  
 (330) 758-8299 Fax: (330) 758-8912  
 www.canfieldconnector.com

5000 SCS

**SERIES 5000  
 SOLENOID VALVE CONNECTOR**

**SUB-MICRO CONNECTOR**

**General Description**

Canfield Connector's Series 5000 Sub-Micro connector is made to connect solenoid valves using the DIN 43650 Form "C", EN175301-803:2000 (8mm pin center) and the industry standard 9.4mm pin center. These standards permit industry interchangeability and have been embraced by the solenoid valve industry worldwide. Features include the ability for the user to wire the connector into existing installations or the connector can be prewired at the factory. Wire connections are made inside the connector housing. The wire inlet is either PG7 or 1/2" conduit. Maximum current rating is 6 amps with a maximum conductor size of 20 gauge with an outer jacket not to exceed .260 inches diameter. There are versions with indicator lights depicting the "on" state. The connectors are NEMA 4 and IP 65 environment rated.

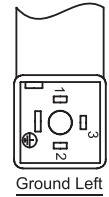
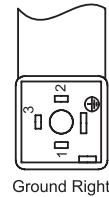
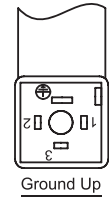
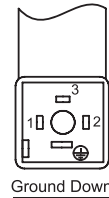


**Dimensional Data**

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

**Wiring Information**

PG7, 8mm center	PG7, 9.4mm center
1/2" Conduit, 8mm center	1/2" Conduit, 9.4mm center



Normal polarity: 1 = (+) Positive, High  
 2 = (-) Negative, Neutral  
 = Chassis Ground

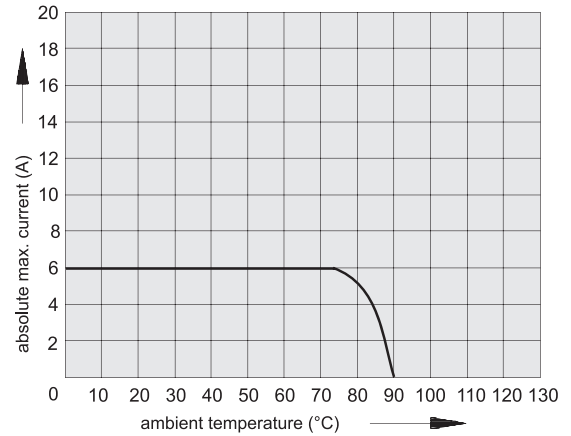
\*Ground spade offset by 0.2mm toward pin 1.

**Technical Data**

- The cable outlet can be assembled in 90° increments
- Color: black, gray or translucent for lighted styles
- Cable diameter: PG7 - .157 - .236 inch O.D.  
1/2" Conduit 8mm & 9.4mm - .250 inch max.
- Cross section of the conductor wire max.: 20 AWG
- Rated voltage max.: 250 VAC 50/60 Hz or VDC
- Maximum approved current: 6 Amps
- No. of contacts: 2+ ground,  
3+ ground (*NOT* available on lighted units)
- Environmental protection: NEMA 4 and IP 65 dust tight  
and water resistant
- Maximum rated temperatures for gaskets:  
Nitrile gasket: -25° to +90°C  
Silicone gasket: -40° to +125° C

NOTE: When using MAC Valves with 9.4mm Sub-Micro, consult our factory.

**Derating Curve**



5000 SUB-MICRO

**Ordering Information**

Use a prefix of "G" for Individually Bagged



For additional Wire Types, refer to *Appendix A*.  
For wire installation, refer to *Appendix B*.

**Orientation**  
1 - ground down  
2 - ground right  
3 - ground up  
4 - ground left

**Wiring Length**  
0 - unwired  
3 - 3 ft  
6 - 6 ft  
9 - 9 ft  
C - 12 ft

**Lighting Specification**  
0 - unlighted  
3 - 6 - 48V AC/DC 50/60 Hz  
7 - 48 - 120 VDC  
100 - 240 VAC 50/60 Hz

**Gasket**  
1 - nitrile  
2 - silicone

**Connector Type**  
90 - Sub-Micro Strain Relief PG7 DIN Interface (8mm)  
91 - Sub-Micro 1/2" Conduit DIN Interface (8mm)  
95 - Sub-Micro 1/2" Conduit (9.4mm)  
99 - Sub-Micro Strain Relief PG7 (9.4mm)

**Wire Type**  
00 - unwired  
11 - standard PG7 cable  
36 - standard for connector type 91 & 95  
47 - type 90 & 99 (3+ ground version)  
77 - type 91 & 95 (3+ ground)

**Housing Color**  
0 - black "B" standard. Translucent if lighted.  
1 - gray "A"

**Contacts**  
0 - 2 +ground  
1 - 3 +ground\*

Each connector kit contains screw, washer and gasket assembly.

\*3+ ground *NOT* available in lighted version.

**Ordering Example:**

5137-1900007

Ground down, 3 ft wire length, lighted 48 - 120 VDC,  
100 - 240 VAC 50/60 Hz, nitrile gasket, Sub-Micro strain  
relief PG7 DIN interface, 2+ ground contacts

Can-Pak Part Number		Qty	Lighted	Prewired
CP-5100-1080000-025	25	<input type="checkbox"/>	<input type="checkbox"/>	
CP-5100-1080000-100	100	<input type="checkbox"/>	<input type="checkbox"/>	
CP-5100-1100000-025	25	<input type="checkbox"/>	<input type="checkbox"/>	
CP-5100-1100000-100	100	<input type="checkbox"/>	<input type="checkbox"/>	
CP-5103-1080000-025	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CP-5103-1080000-100	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CP-5107-1080000-025	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CP-5107-1080000-100	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CP-5160-1080000-010	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CP-5160-1080000-050	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CP-5163-1080000-010	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CP-5163-1080000-050	50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CP-5167-1080000-010	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CP-5167-1080000-050	50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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