

**canfield
connector**

5000 SERIES
ISO
FIELD WIREABLE
SOLENOID VALVE CONNECTOR

GENERAL DESCRIPTION

Canfield Connector's 5000 Series ISO connector connects solenoid valves using the DIN Style "A" EN175301-803 (Formerly DIN 43650) specification. This standard permits industry interchangeability and has 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 pre wired at the factory. Wire connections are made inside the connector housing and the wire inlet is either PG9, PG11 or 1/2" conduit. Maximum current rating is 10 Amps with a maximum conductor size of 14 AWG with an outer jacket not to exceed .410 inches diameter. Available in unlighted or with indicator lights depicting the "on" state. The connectors are NEMA 4 and IP 65 environment rated.

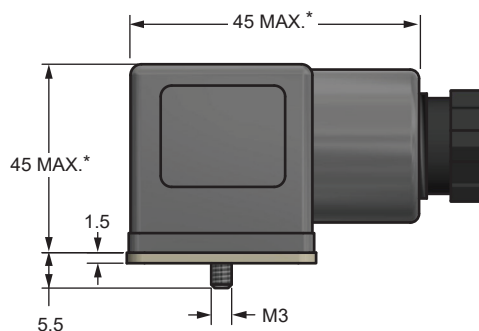


ISO PG9, Unlighted version shown above

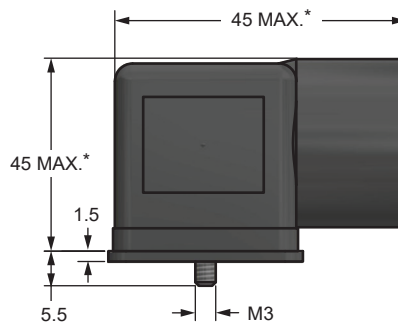
DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

PG9 / PG11 Ground Down Shown



1/2" CONDUIT Ground Down Shown




*Dimensions subject to change notice.
For critical specifications, contact factory.

TECHNICAL DATA

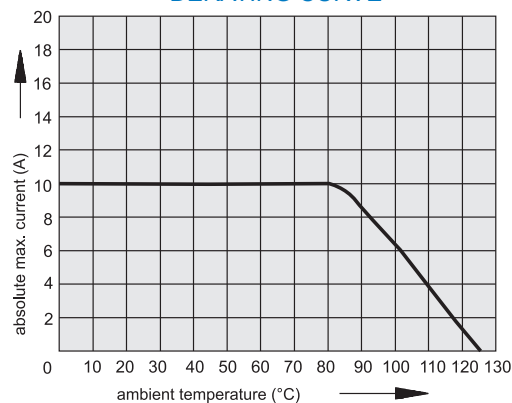
Current Max.	10 Amps
Voltage Max.	250 VAC 50/60 Hz, 300 VDC
Materials	Housing: Black; Gray; Translucent (lighted versions)
Gasket Temperature Max.	Nitrile: -25° to +90°C Silicone: -40° to +125°C
Environmental Protection	Designed for IP 65 / NEMA 4 Dust tight and water resistant
Cable Diameter	PG9 0.236" to 0.315" O.D. PG11 0.315" to 0.394" O.D. 1/2" Conduit 0.410" max.
Wire Gauge Max.	14 AWG
Size	ISO: 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	
	Chassis Ground
1	(+) Pos. / High
2	(-) Neg. / Neut.
3	Signal

DERATING CURVE



ORDERING INFORMATION

Each connector kit contains screw, washer and gasket assembly.

This series is available in



Use a prefix of "G" for Individually Bagged

5 0 - 0 0 0 0 0 0

Orientation

1 - Ground down
Additional ground orientations available

Lighting Option

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
3 - Nitrile profile

Housing Color

0 - Black "B" standard. Translucent if lighted.
1 - Gray "A"

Contacts

0 - 2+ ground
1 - 3+ ground

Connector Type

08 - ISO strain relief PG9
09 - ISO strain relief PG11
10 - ISO 1/2" conduit

Ordering Example: 5100-1080000

Ground down, nitrile gasket, ISO strain relief PG9,
2+ ground contacts, black house