



# Solenoid Valve Connectors

EN175301-803, De Facto Industrial Standard

Cordsets | Field Wireables | Accessories

UL File #:

**E205538**

While most industrial electrical connectors are used in a wide variety of applications, the “solenoid valve connector” is primarily used on solenoid valves. Over the years as solenoid valves have changed and reduced in size, the solenoid valve connectors have changed as well.

Designed to conform to EN175301-803 (formerly DIN 43650), or to “De Facto” industry standards, Mencom solenoid valve connectors are available in 5 different interfaces (Form A, Form B, Form C as well as Industry Standard Form B and Industry Standard Form C).

## How it works

A solenoid valve is an electromechanically operated valve. The valve is controlled by an electric current through a solenoid: in the case of a two-port valve the flow is switched on or off; in the case of a three-port valve, the outflow is switched between the two outlet ports. Multiple solenoid valves can be placed together on a manifold.

## Where it is used

Solenoid valves are most frequently used to control elements in fluidics. Their tasks are to shut off, release, dose, distribute or mix fluids. They are found in many application areas. Solenoids offer fast and safe switching, high reliability, long service life, and compact design.

## Features

Our standard valve connector offers a polyamide body with thermoplastic gasket integrally molded into the face of the mold connectors. Molded versions utilize a PVC jacket with 18 AWG conductors, while the field wireables are available in PG9, PG11, and ½” NPT threaded openings. Valve connectors with circuitry and suppression aid in diagnostics and protection of equipment. Several circuitry and suppression options are available.

Our valve connectors all carry an IP65 Rating.





# Solenoid Valve Connectors

## Solenoid Valve Connectors Part Number Matrix

Not all options available with all valve connectors, please consult factory.

V   -    -

### Style

Black cable unless indicated

- A = DIN Form A
- B = DIN Form B
- C = DIN Form C
- D = Ind. Std. Form B {ISB}
- E = Ind. Std. Form C {ISC}
- F = DIN Form A - Gray

### Circuit Design

- A = LED Only; 24V AC/DC
- B = LED Only; 120V AC/DC
- C = LED w/ Flyback Diode; 10-50V DC
- G = LED & MOV
- J = LED & MOV
- N = No Circuitry
- R = LED w/ BRD RECT & MOV; 120V AC/DC
- S = Bi-Color LED's; 10-50V AC/DC
- T = Bi-Color LED's; 120V AC/DC
- Z = LED; Zeners; 24V AC/DC

### Length in Meter

- 0 (ZERO) = No Cable (Field Wireable)
- A = 10M
- 2 = 2M
- 5 = 5M

Other lengths are available by request.

### Contacts

- 2 = 2+Ground/Ground Cable Side
- 3 = 3+Ground/Ground Cable Side
- 8 = 2+Ground/Ground Opposite Side
- 9 = 3+Ground/Ground Opposite Side

### Wiring Design

- 00 (Double Zero) = STD Cable
- 50 = Formed Gasket

Or

0

### Config & Wiring

- 1 = Straight
- 2 = R/A
- 3 & Up = Custom

### Pins

2,3,4,5, Etc.

### Connector

- 1 = MIN
- 2 = MAC
- 3 = MDC
- 4 = NAN

### Threads

- 0 (Zero) = N/A - CBL Version
- 2 = 1/2 NPT
- 7 = PG7
- 9 = PG9
- 1 = PG11