

**canfield
connector**

MCCR SERIES
MULTIPLE CONTROL
MOLDED
CONNECTORS

GENERAL DESCRIPTION

The Canfield Connector MCCR is a patented unique cable distribution connector which uses pass-through technology to allow a single connector for control of multiple parallel or independent devices that use the DIN Style "A" EN175301-803 (Formerly DIN 43650) interface. The key feature is that this product saves at least one wire run from the control to the solenoid valve including associated hardware and processes. Devised with double solenoids and solenoid valve manifolds in mind, the MCCR allows for simplified wiring and easy replacement of components in an automated, modular environment. IP 65 environmental protection remains as the gasket-thin head fits between a single input female connector and the associated male device. Exiting from the MCCR head is a three-conductor cable with the 5K female connector attached. Two available circuits allow for separate (independent) or parallel (simultaneous) control of the downstream device(s) which can also be daisy-chained depending on current requirements.



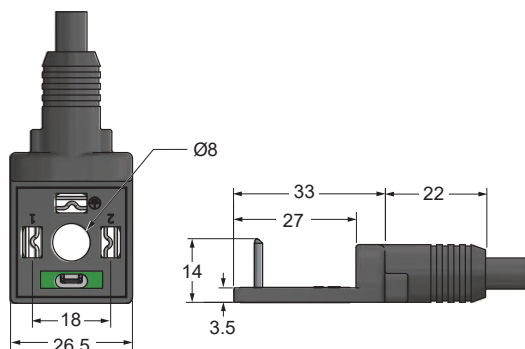
Patent # 6,846,198

DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

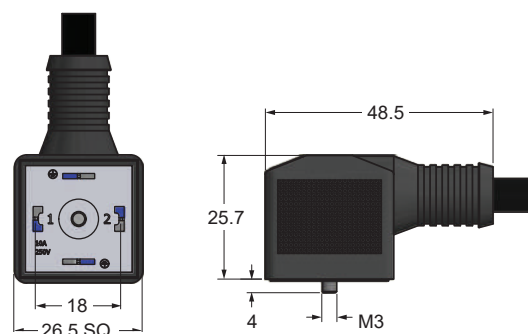
MCCR

Separate Control Ground Up Shown

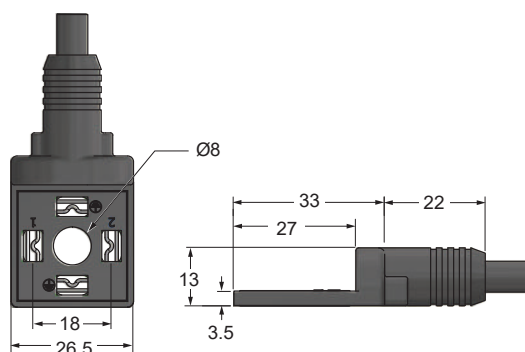


CONNECTION OPTIONS

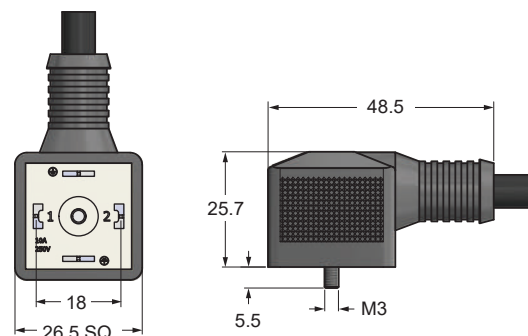
5J ISO Dual Ground Shown



Parallel Control Ground Up Shown



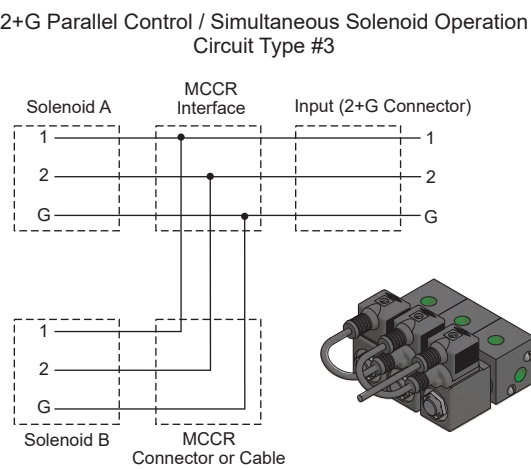
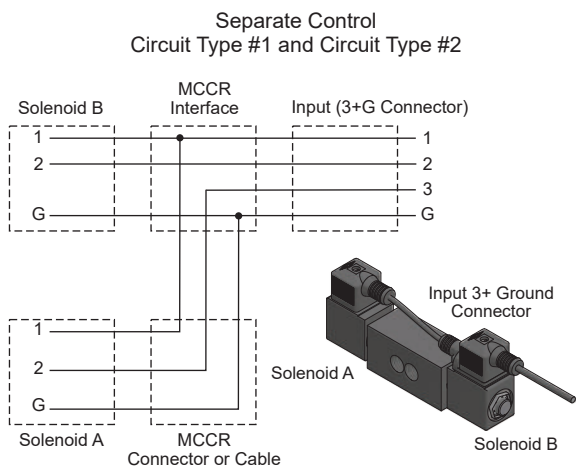
5K ISO Dual Ground Shown



TECHNICAL DATA

Current Max.	10 Amps
Voltage Max.	250 VAC 50/60 Hz, 300 VDC
Materials	Enclosure: Polyurethane Gasket: Nitrile
Temperature Range	-20° to +80°C
Environmental Protection	Connector: IP 67 and NEMA 6, Dust tight and water resistant (with gasket) MCCR Interface: IP65 and NEMA 4
Cable Diameter	0.275
Cable Conductor Colors	EU Code: Blue, brown, yellow/green (4th conductor version black)
Cable Type	Pressure extruded PVC jacket
Wire Gauge	18 AWG standard
Size	ISO: 18mm pin spacing - DIN Style "A" EN175301-803
Number of Contacts	2+ ground, 2+ dual ground,

CIRCUIT DIAGRAM / APPLICATIONS



ORDERING INFORMATION

Each connector kit contains screw, washer and gasket assembly.

MCCR - ☐ ☐ 1 ☐ ☐ - 1 0

Wire Length*

03	-	3 in.
04	-	4 in.
05	-	5 in.
06	-	6 in.
07	-	7 in.
08	-	8 in.
09	-	9 in.
10	-	10 in.
11	-	11 in.
12	-	12 in.

Circuit Type

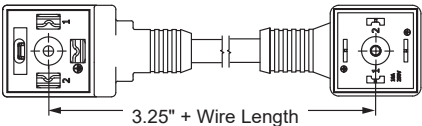
1	-	Separate control ground down
2	-	Separate control ground up
3	-	Parallel control 2+dual ground

Connector Type

0	-	Cable (no connector)
3	-	5J ISO Molded connector (2+dual ground, Independent control)
4	-	5K ISO Molded connector (2+dual ground, Parallel control)

For indicator lights and surge suppression, consult factory

*For Wire Length, measure from Center Point to Center Point.



Ordering Example: MCCR-05113-10
5 in. Wire length, separate control ground down, ISO molded connector