



**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.



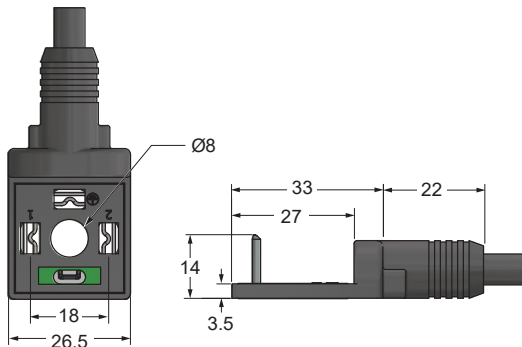
Patent # 6,846,198

## DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

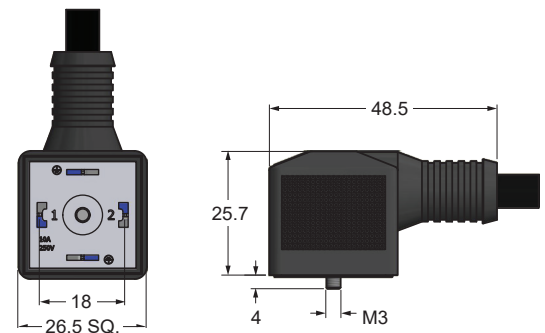
### MCCR

#### Separate Control Ground Up Shown

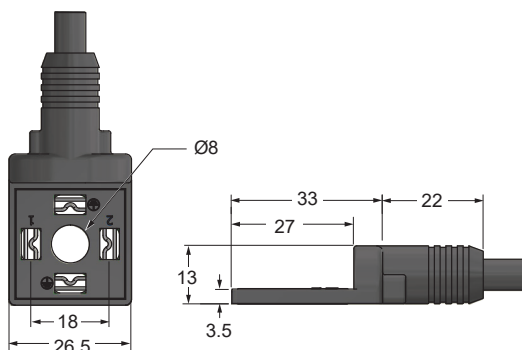


### CONNECTION OPTIONS

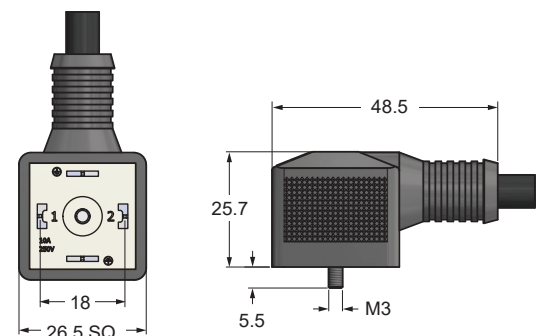
#### 5J ISO Dual Ground Shown



#### Parallel Control Ground Up Shown



#### 5K ISO Dual Ground Shown

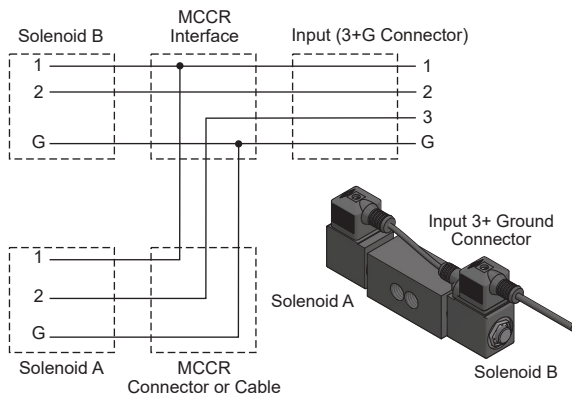


## TECHNICAL DATA

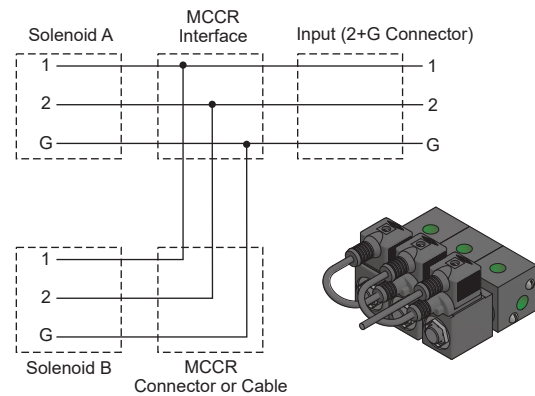
<b>Current Max.</b>	10 Amps
<b>Voltage Max.</b>	250 VAC 50/60 Hz, 300 VDC
<b>Materials</b>	Enclosure: Polyurethane Gasket: Nitrile
<b>Temperature Range</b>	-20° to +80°C
<b>Environmental Protection</b>	Connector: IP 67 and NEMA 6, Dust tight and water resistant (with gasket) MCCR Interface: IP65 and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

## CIRCUIT DIAGRAM / APPLICATIONS

Separate Control  
Circuit Type #1 and Circuit Type #2



2+G Parallel Control / Simultaneous Solenoid Operation  
Circuit Type #3



## ORDERING INFORMATION

Each connector kit contains screw, washer and gasket assembly.

MCCR - ☐ ☐ 1 ☐ ☐ - 10

**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.

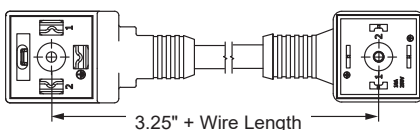
**Circuit Type**

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