

## Product Profile

# IDC Field Attachable Connectors Simplify and Speed Installation with Virtually No Tools Required

## Get Connected with Rockwell Automation

Rockwell Automation offers a wide variety of connection products for interfacing field devices to I/O, junction boxes, PLCs and more. From passive distribution boxes and overmolded cordsets to field attachable connectors, Allen-Bradley connection systems products provide simple, rugged, cost effective solutions for a wide variety of industrial applications. As part of Rockwell Automation's commitment to providing solutions focused on value to our customers, Rockwell Automation has added a new line of field attachable connectors based on Insulation Displacement Connector (IDC) Technology.

### Insulation Displacement Connector Technology

Insulation displacement connector technology has been widely accepted in a variety of industries for some time. This technology is now becoming increasingly accepted as a viable solution for industrial applications.

By combining the speed and flexibility of IDC technology with the rugged, durable construction of industrial connectors, Rockwell Automation is able to offer a simple, reliable solution for field device connectivity. A solution that saves time and money yet requires virtually no tools.

### About IDC Field Attachables

From new machine builds to everyday maintenance, field attachable connectors provide flexible connectivity solutions at every stage of a machine's life cycle.

Field attachable connectors utilizing insulation displacement technology offer the same benefits -- cable length customization, simplified retrofits -- as existing screw type or solder termination models. However, IDC technology adds another dimension in terms of speed and ease of installation.

Connector to cable installation is realized by simply inserting unstripped conductors into the connector body and twisting the connector ends together, resulting in a rugged IP67 rated housing and durable gas tight electrical connection.



### Features

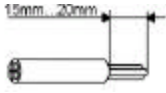
- Male or Female types
- 3- or 4-pin configurations
- Straight or Right Angle versions
- Rugged IP67 rated housing and connector
- Virtually tool-less design thru IDC technology
- Maximum of 10 installations with same diameter conductors

### Benefits

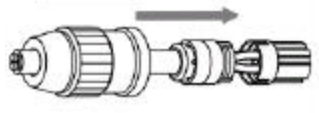
- Virtually tool-less design allows fast installation in multiple environments
- Allows quick customization of cable lengths to specific requirements on the plant floor
- Approximately 40% faster than solder or screw termination
- Simplifies retrofits and maintenance activities

## Installation Technique

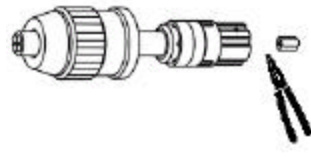
Allen-Bradley IDC Field Attachable connectors are assembled in four easy steps.



**1. Strip** outer cable jacket to between 15mm – 20mm (0.6" – 0.8").



**2. Assemble** connector components (rear housing, cable grommet, and plastic insulator) onto stripped cable as shown, matching conductors to numbered color-coded holes.



**3. Trim** conductors flush with front of plastic insulator after ensuring cable jacket is fully seated against rear of plastic insulator.



**4. Twist** together rear housing and main connector housing then firmly hand-tighten.

## General Ordering Information



### DC Micro (M12) Style Connectors

Gender	Configuration	Style	Part Number
Male	3-pin	Straight	889D-M3DC-H
Male	3-pin	Right Angle	889D-E3DC-H
Male	4-pin	Straight	889D-M4DC-H
Male	4-pin	Right Angle	889D-E4DC-H
Female	3-pin	Straight	889D-F3DC-H
Female	3-pin	Right Angle	889D-R3DC-H
Female	4-pin	Straight	889D-F4DC-H
Female	4-pin	Right Angle	889D-R4DC-H

### Pico (M8) Style Connectors

Gender	Configuration	Style	Part Number
Male	3-pin	Straight	889P-M3DC-H
Male	4-pin	Straight	889P-M4DC-H
Female	3-pin	Straight	889P-F3DC-H
Female	4-pin	Straight	889P-F4DC-H

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