

# General Accessories

## Plugs

### Type CONG

CARLO GAVAZZI



- Straight or 90° connector
- Union nut M12 or M8
- Connection cable PVC
- Moulded PUR housing
- CE-marking
- Degree of protection IP 68
- EN 60947-5-2

### Product Description

The CONG.. is a family of inexpensive general purpose connectors for sensor connection. Ideal for connecting sensors in control and automation tech-

nology. The connector is available in 3 or 4 wire versions as well as straight or angled versions.

### Ordering Key

**CONG1A-A5**

CONG = Carlo Gavazzi

1 = M12 DC

5 = M8 DC

A = Antivalent (NO + NC)

O = Normally open (NO)

A = 90° angle

S = Straight

2 = 2 meters

5 = 5 meters

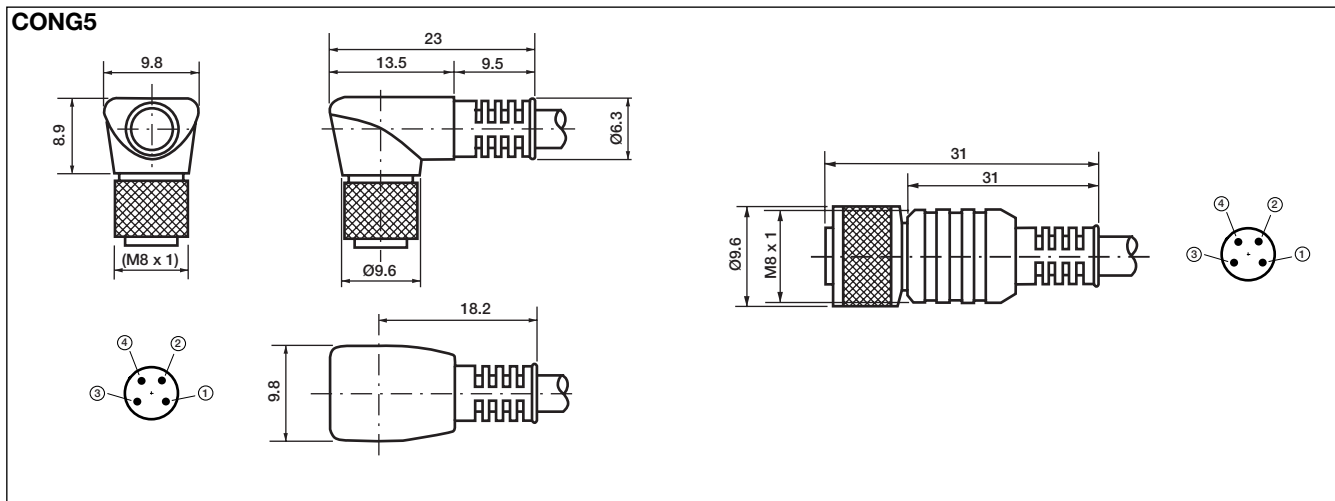
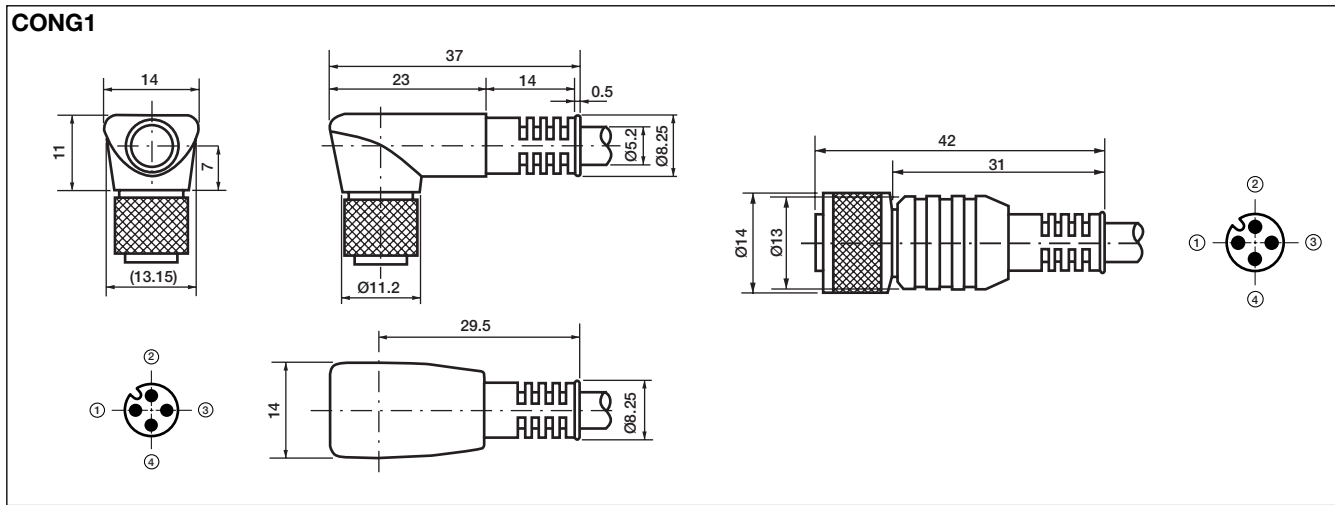
### Type Selection - DC Types

Plug type	Cable length	Ordering number	Ordering number	Ordering number	Ordering number
		Straight 3-wire version	Angled 3-wire version	Straight 4-wire version	Angled 4-wire version
M12	2 m	CONG10-S2	CONG10-A2	CONG1A-S2	CONG1A-A2
	5 m	CONG10-S5	CONG10-A5	CONG1A-S5	CONG1A-A5
M8	2 m			CONG5A-S2	CONG5A-A2
	5 m			CONG5A-S5	CONG5A-A5

### Specifications

<b>Rated operating voltage (U<sub>B</sub>)</b>	250 VAC/300 VDC	<b>O-ring sealing</b>	Vitron (Trade mark of Du Pont)
<b>Output current</b>	≤ 4 A	<b>Insulation test</b>	2.0 kV/eff./60 s
<b>Contact resistance</b>	≤ 6 mΩ	<b>Moulded body material</b>	PUR/black
<b>Contact material</b>	CuZn (brass)	<b>Union nut</b>	CuZn (brass)
<b>Coating</b>	0.3 micron Au (gold)	<b>Coating</b>	Nickel plated
<b>Pin diameter</b>	1 mm	<b>Connection cable</b>	Light grey, oilproof PVC
<b>Contact bearer material</b>	Nylon, glass reinforced, black	<b>Wire cross section</b>	0.34 mm <sup>2</sup> (42 x 0.10)
<b>Pin and key code position</b>	EN 60947-5-2	<b>Weight</b>	
<b>Temperature</b>		2 m version	85 g
<b>Fixed mounting</b>	-25° to +90°C (-77° to +194°F)	5 m version	205 g
<b>Degree of protection</b>	IP 68		

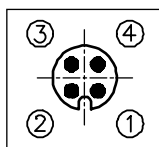
## Dimensions



## Pin View of Cable Connectors

**CONG1**

**(A) NO (3-wire)**

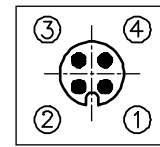


1 +  
2 Not conn.  
3 -  
4 NO  
Signal

**3-wire:**  
1 = Brown  
2 = not connected  
3 = Blue  
4 = Black

**CONG1**

**(B) NO/NC (4-wire)**

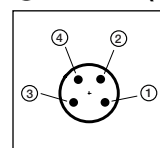


1 +  
2 NC  
Signal  
3 -  
4 NO  
Signal

**4-wire:**  
1 = Brown  
2 = White  
3 = Blue  
4 = Black

**CONG5**

**(C) NO/NC (4-wire)**



1 +  
2 NC  
Signal  
3 -  
4 NO  
Signal

**4-wire:**  
1 = Brown  
2 = White  
3 = Blue  
4 = Black