

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

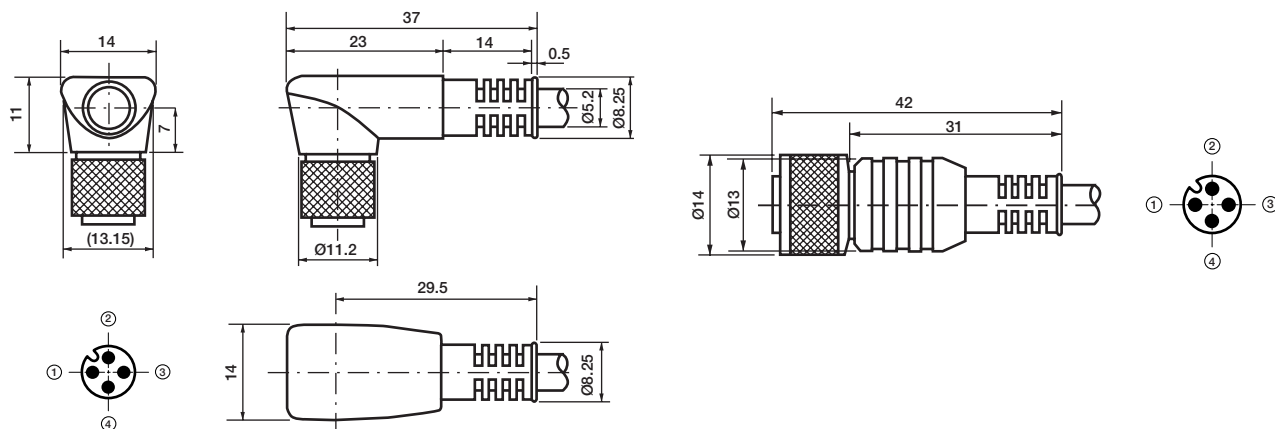
5 = 5 meters

Type Selection - DC Types

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

Specifications

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

CONG1

Technical drawings of the M8 x 1 1/2" (1500000) connector. The drawings include:

- Top View:** Shows a square head with a diameter of 9.8 mm and a height of 8.9 mm. The base is labeled (M8 x 1).
- Front View:** Shows the side profile with a total length of 23 mm. The head has a radius of 13.5 mm and a base diameter of Ø9.6 mm. The threaded section has a length of 9.5 mm and a thread diameter of Ø6.3 mm.
- Bottom View:** Shows the underside of the connector with a total length of 18.2 mm and a head height of 9.8 mm.
- Side View:** Shows the side profile with a total length of 31 mm. The head has a diameter of Ø9.6 mm and a height of 18.2 mm. The threaded section has a length of 31 mm and a thread diameter of Ø6.3 mm.
- End View:** Shows the end of the connector with a diameter of Ø9.6 mm and a height of 18.2 mm. The threaded section has a length of 31 mm and a thread diameter of Ø6.3 mm.

CONG1



1 +
 2 Not conn.
 3 -
 4 NO
 Signal

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

1 +
2 NC
Signal
3 -
4 NO
Signal

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

1 +
2 NC
Signal
3 -
4 NO
Signal

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