![Murr Elektronik logo]

MURR ELEKTRONIK

stay connected

M12 STEEL

| Unbreakable

| IP68 / IP69K - sealed

| Safe

M12 Steel

**The unbreakable
M12 plug connector**

SIMPLY CLEVER –
TYPICALLY MURRELEKTRONIK.

| PLUG AND PLAY!

Under this term Murrelektronik has provided its customers an extensive and high quality connector program for many years.

New inputs and requirements from the automation, assembly and packaging industry as well as from the machine tool industry are consequently integrated in our products.

The high quality and flexibility make us a valued industry partner.

| M12 STEEL – THE UNBREAKABLE!

With M12 Steel, we offer the first M12 sensor plug connector to fulfill the stringent requirements of the foodstuffs industry.

The connector conforms to the high protection IP68 and IP69K, as well as the requirements of washing down with acidic or lye cleaning agents and corrosion protection.

↘ **UNBREAKABLE** – completely stainless-steel housing

↘ **TIGHT** – IP68 / IP69K

↘ **SAFE** – highest durability

NEW

M12 Steel – the unbreakable M12 plug connector for the Food & Beverage industry

- Conforms to protection IP68 / IP69K
- Completely stainless-steel housing, V4A as defined in DIN 1.4404
- Cable available in PVC or Santoprene® 271
- Highest resistance to acidic or lye cleaning agents
- High temperature range up to 105°C

Available in plug and socket form, straight version with open end, or as connecting cable.

APPLICATIONS

The foodstuff industry places the highest requirements with regard to hygiene, cleanliness and corrosion protection on the products and components that it uses. Stainless steel is the material mainly used in plant for the manufacture of foodstuffs, and even the sensors used in this area usually consist of one-piece, enclosed, stainless-steel housings for highest protection and durability.
With M12 Steel, Murrelektronik now offers an M12 sensor plug connector that fulfils the stringent requirements of the foodstuffs industry.

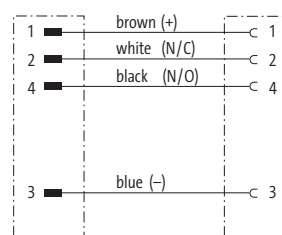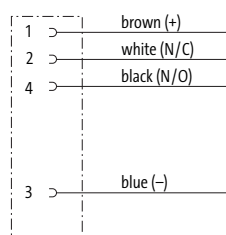|		Female straight	Male straight	Female straight

1	**Form**	**No.**	**12221**	**40021**
	Suppression/Circuit diagram		4-pole	4-pole

12221 Circuit diagram
1 — brown (+)
2 — white (N/C)
4 — black (N/O)
3 — blue (−)

40021 Circuit diagram
1 — brown (+) — 1
2 — white (N/C) — 2
4 — black (N/O) — 4
3 — blue (−) — 3

Contact layout

Female
3 4
5
2 1

Male
4 3
5
1 2

Female
3 4
5
2 1

2	**Cable type**		**Jacket color**		**Jacket color**	
	Wire diameter 0.34 mm^2		grey		grey	
	PVC		214		214	
	Santoprene® 271		336		336	

3	**Cable length**	
	1,5 m	0150
	3,0 m	0300
	5,0 m	0500
	7,5 m	0750
	10,0 m	1000

4	**Your article no.**

The composition of your article number is explained in our main catalog on page 1.1.2

7 0 4 4 _ _ _ _ _   _ _ _   _ _ _

1 Form   **2** Cable typ   **3** Cable length

Notes

Further forms and cable lengths on request.