

## M23 SIGNAL CABLE

Specification: 6FX8002-2AD04-1BA0

Art.No.: 7000-SS171-8821000

Weight: 1.247

Country of origin: DE

Model designation: M6FX8002-2AD04-1BA0

### Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

### Product details:

**Signal cable for SINAMICS S120 and motors with connection M23**

**Female straight – male straight**

**M23 – M23, 17-pole**

**shielded**

**without cable sleeves**

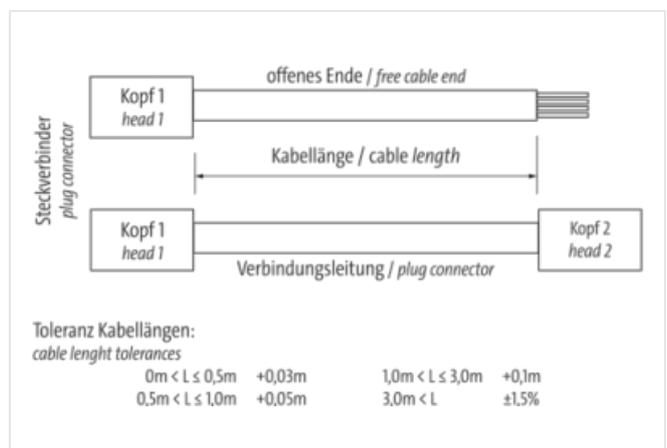
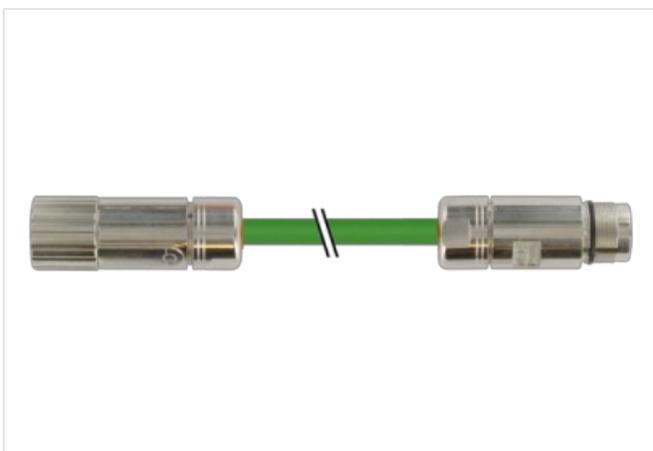
**Further cable lengths on request.**

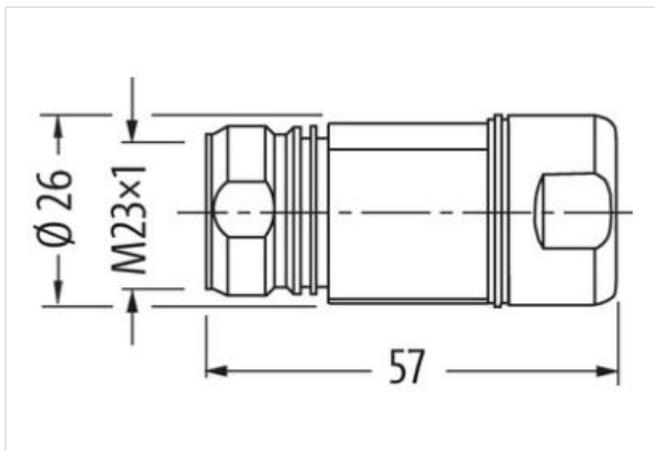
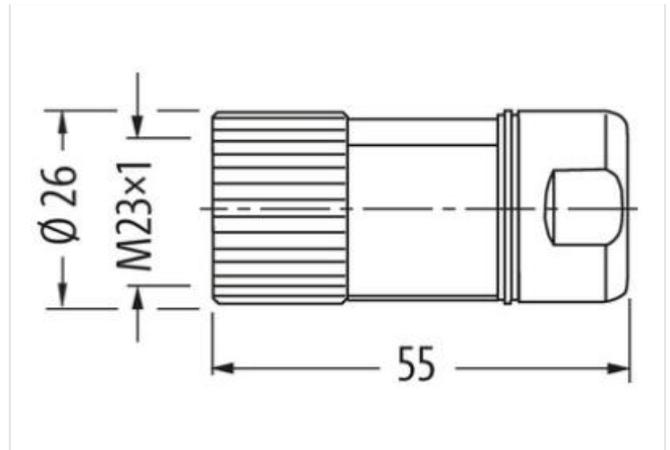
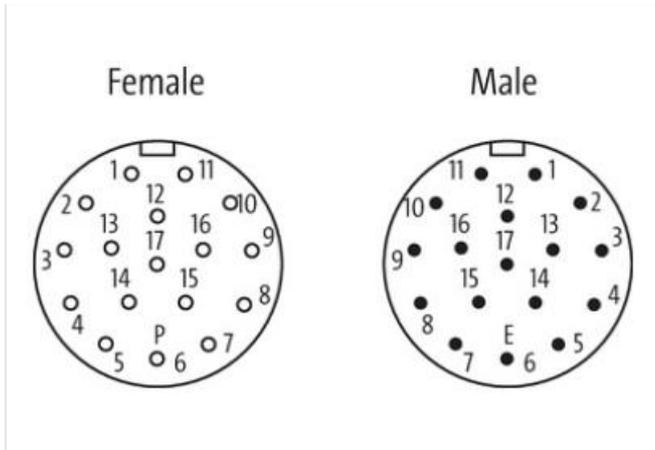
**Plastic housings with good resistance against chemicals and oils.**

**The resistance to aggressive media should be individually tested for your application. Further details on request.**

### [Link to Product](#)

#### Illustration





Product may differ from Image

<b>Cable length</b>	10 m
<b>Side 1</b>	
<b>Tightening torque</b>	2 Nm
<b>Family construction form</b>	M23
<b>Thread</b>	M23 x 1
<b>Side 2</b>	
<b>Tightening torque</b>	2 Nm
<b>Thread</b>	M23 x 1
<b>Commercial data</b>	
<b>ECLASS-6.0</b>	27279218
<b>ECLASS-7.0</b>	27279218
<b>ECLASS-8.0</b>	27279218
<b>ECLASS-9.0</b>	27060311
<b>ECLASS-10.1</b>	27060307
<b>ECLASS-11.1</b>	27060307
<b>ECLASS-12.0</b>	27060307
<b>ETIM-5.0</b>	EC001855
<b>customs tariff number</b>	85444290
<b>customs tariff number</b>	85444290
<b>GTIN</b>	4048879483551
<b>GTIN</b>	4048879483551
<b>Packaging unit</b>	1

Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,5 kV
Material group (IEC 60664-1)	I
<b>Mechanical data</b>	
Contour for corrugated hose	without
<b>Mechanical data   Material data</b>	
Coating locking	nickel plated
Locking material	Brass
<b>Mechanical data   Mounting data</b>	
Mounting method	inserted, screwed, Shaking protection
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
<b>Installation   Cable</b>	
wire arrangement	brown, black, blue, white
Cable identification	882
Jacket Color	black
Amount stranding	1
Stranding	4 wires twisted
Cable shielding (type)	copper braiding, bare
wire arrangement	brown, black, blue, white
Material jacket	PUR
Outer-diameter (jacket)	5,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	6
Conductor crosssection (wire)	0,14 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	x Outer diameter

---

<b>Bending radius (dynamic)</b>	<b>6 x Outer diameter</b>
<b>No. of bending cycles (C-track)</b>	<b>2 Mio.</b>

---

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Murrelektronik:](#)

[7000-SS171-8821000](#)