

**M23 female 0° 17-pole with cable**

PUR (3x(2x0,14D)+2x0,5+4x0.14+4x0,22)C 7m

Art.No.: 7000-SS521-8110700

Weight: 0.953 kg

Country of origin: DE

Model designation: MS23SNBB17-502\_811\_7.0

Signal cable for SINAMICS S120 and motors with connection M23

Female straight

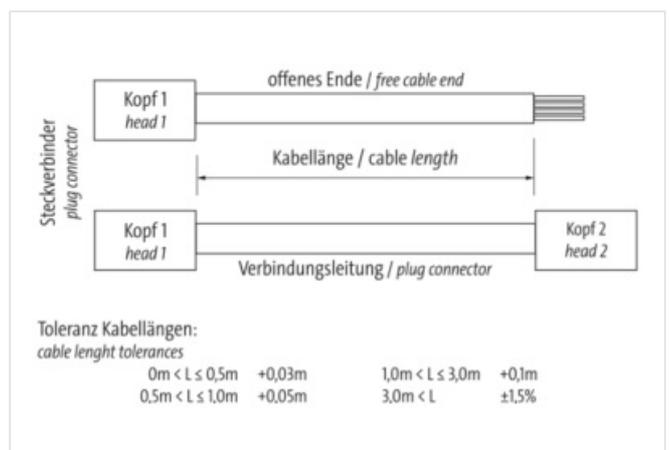
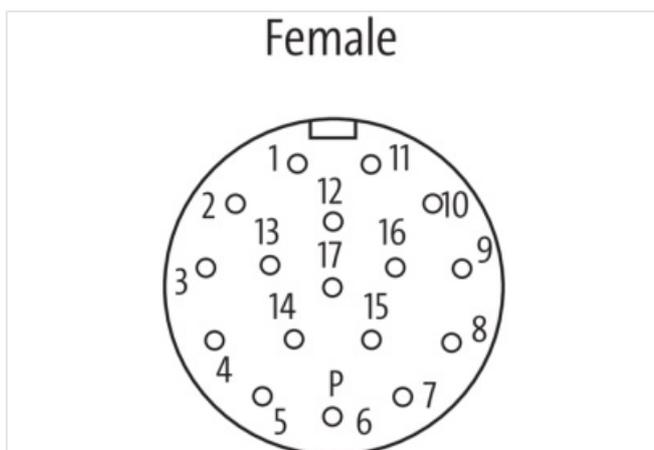
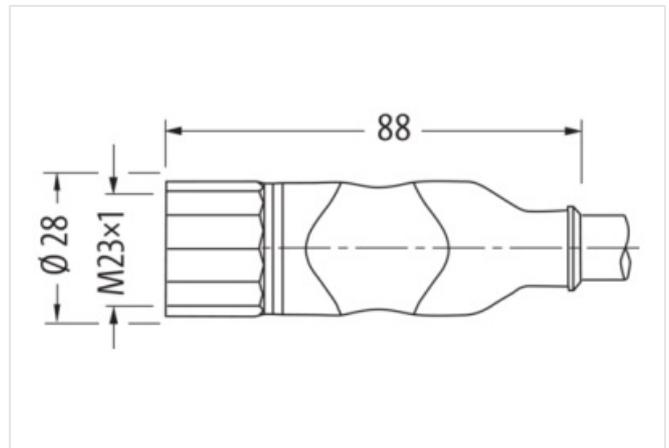
M23, 17-pole

Shielded

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

**Header**

Material short text	MS23SNBB17-502_811_7.0
Cable length	7,00 m

**Side 1**

Family construction form	M23
Threaded hole	M23 x 1
Tightening torque	2 Nm

**Commercial data**

URL Webshop	<a href="https://shop.murrelektronik.com/7000-SS521-8110700">https://shop.murrelektronik.com/7000-SS521-8110700</a>
GTIN	4048879486446
ECLASS-6.0	27279218
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879486446
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V

**Device protection | Electrical**

Degree of protection (EN IEC 60529)	IP67
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Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation   Cable	
Cable identification	811
Function cable	Hybrid
Stranding	2 × 4 wires stranded
Amount stranding (type 2)	1
Stranding (type 2)	1 × 2 wires stranded
Amount stranding (type 3)	3
Stranding (type 3)	3 × 2 wires stranded with hatchet strand
Amount stranding (type 4)	1
Stranding (type 4)	1 × 6 stranding combinations stranded around core filler
Cable shielding (type)	copper braiding, bare
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
Filler	Yes
Drain wire (cross-section)	10 mm <sup>2</sup>
Wire arrangement	brown-red, brown-blue, green-yellow, brown-yellow, brown-gray, black-green, red-green, red, orange, gray, blue, yellow-white, black-white, brown, black
Cable weight	122 g/m
Material wire insulation	PP
Amount wires	10
Outer diameter insulation	0,91 mm
Shore hardness wire insulation	65 ± 5 Shore D
Amount strands (wire)	7
Diameter of single wires	0,16 mm
Conductor crosssection (wire)	0,14 mm <sup>2</sup>
Drain wire (cross-section)	10 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Material wire insulation (type 2)	PP
Outer diameter wire insulation (type 2)	1 mm
Shore hardness wire insulation (type 2)	65 ± 5 Shore D
Amount wires (type 2)	4
Amount strands wire (type 2)	7
Diameter of single wires (type 2)	0,127 mm
Conductor crosssection wire (type 2)	0,22 mm <sup>2</sup>
Material conductor wire (type 2)	copper stranded wire, tinned
Material wire insulation (type 3)	PP
Outer diameter wire insulation (type 3)	1,35 mm
Shore hardness wire insulation (type 3)	65 ± 5 Shore D
Amount wires (type 3)	2
Diameter of single wires (type 3)	0,18 mm
Wire conductor cross section (type 3)	0,5 mm <sup>2</sup>
Material conductor wire (type 3)	copper stranded wire, tinned
Outer-diameter (jacket)	9,5 mm

Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Conductor resistance (wire)	148.9 Ω/km @ 20 °C
Conductor resistance (wire type 2)	93.3 Ω/km @ 20 °C
Conductor resistance (wire type 3)	41 Ω/km @ 20 °C
Electrical capacity line constant (wire - shield)	8.000 pF/km
Isolation resistance	1.000 MΩ × km
Nominal voltage max.	30 V
Withstand voltage (wire - wire)	0.5 kV @ 60 s
Withstand voltage (wire - jacket)	0.5 kV @ 60 s
Withstand voltage (wire - shield)	0.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	2,4 A
Current load capacity max. Wire (type 2)	2,4 A
Current carrying capacity max. wire (type 3)	9 A
Characteristic impedance	80 Ω 5 MHz
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C
Bending radius (fixed)	4 × Outer diameter
Bending radius (dynamic)	6 × Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	300 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	5 m/s <sup>2</sup> @ 25 °C
Torsion stress	± 30 °/m