

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

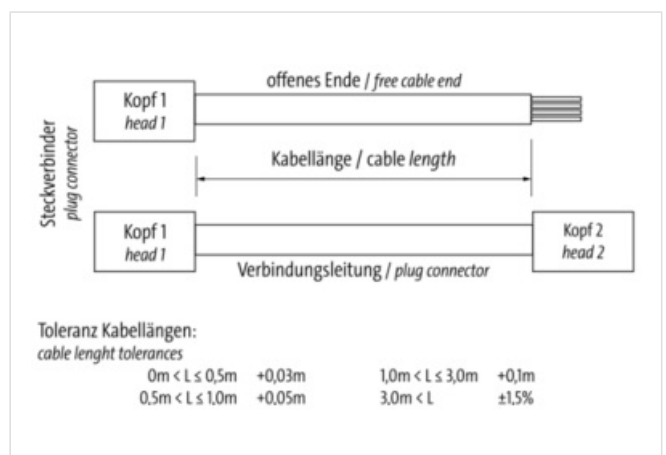
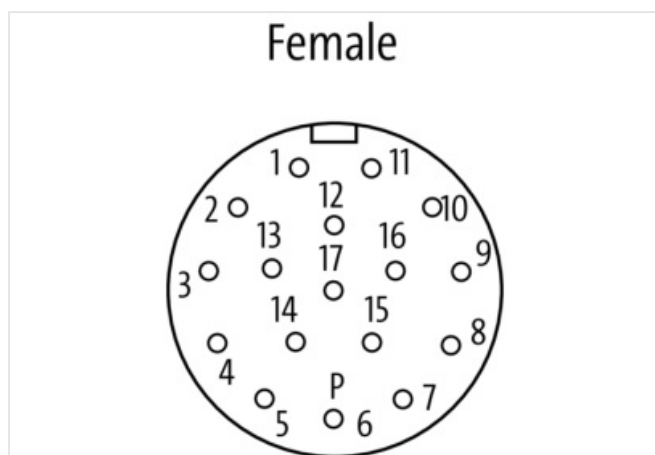
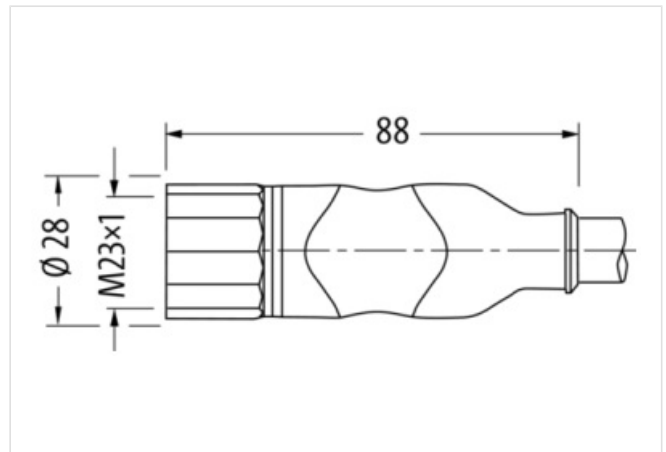
M23, 17-pole

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

Cable length	7,00 m
Side 1	
Family construction form	M23
Threaded hole	M23 x 1
Tightening torque	2 Nm
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-SS521-8110700
GTIN	4048879486446
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
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

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 **Attention:** 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

Stranding	2 × 4 wires stranded
Stranding (type 2)	1 × 2 wires stranded
Stranding (type 3)	3 × 2 wires stranded with hatchet strand
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 ²
Wire arrangement	(GN, YE), (BN, BK), (OG, RD), (BKWH, GY, BU, YEWB), (RDGN, BNYE, BNGY, BKGN), (BNRD, BNBU)
Shield	shielded
Material wire insulation	PP
Amount wires	10
Outer diameter insulation	0.91 mm
Conductor crosssection (wire)	0,14 mm ²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	7 × 0.16 mm
Material wire insulation (type 2)	PP
Amount wires (type 2)	4
Outer diameter wire insulation (type 2)	1 mm
Conductor crosssection (wire type 2)	0,22 mm ²
Material conductor wire (type 2)	copper stranded wire, tinned
Core construction (wire type 2)	7 × 0.127 mm
Material wire insulation (type 3)	PP
Amount wires (type 3)	2
Outer diameter wire insulation (type 3)	1.35 mm
Conductor crosssection (wire type 3)	0,5 mm ²
Material conductor wire (type 3)	copper stranded wire, tinned
Core construction (wire type 3)	0.18 mm
Material jacket	PUR
Outer-diameter (jacket)	9.5 mm ± 5 %
Jacket Color	green / RAL 6018
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Cable shielding (type)	copper braiding, bare
Cable shielding (coverage)	80 %
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
Nominal voltage max.	30 V
Withstand voltage (wire - wire)	0.5 kV @ 60 s
Withstand voltage (wire - jacket)	0.5 kV @ 60 s

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-07-21

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Withstand voltage (wire - shield)	0.5 kV @ 60 s
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
Current load capacity (standard)	to DIN VDE 0298-4
Electrical capacity line constant (wire - shield)	8.000 pF/km
Isolation resistance	1.000 MΩ × km
Characteristic impedance	80 Ω @ 5 MHz
Operating temperature (dynamic)	-25 °C ... 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/s² @ 25 °C
Torsion stress	± 30 °/m