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M23 SIGNAL CABLE

to be discontinued - Last Time Order: 2026-07-31

Art.No.: 7000-SS161-8110750
Weight: 1.114 kg
Country of origin: DE
Model designation: M6FX8002-2EQ10-1AH5

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

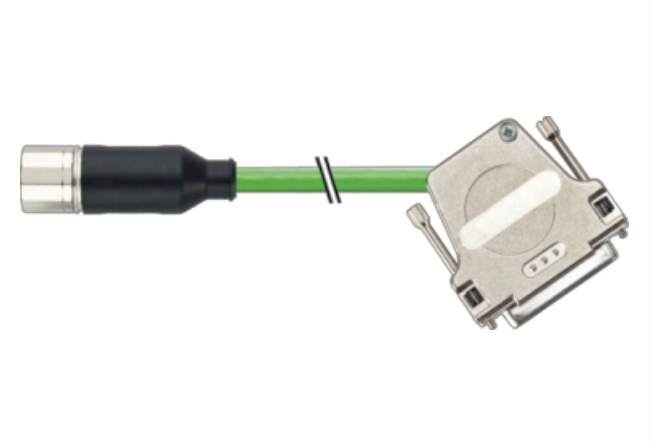
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

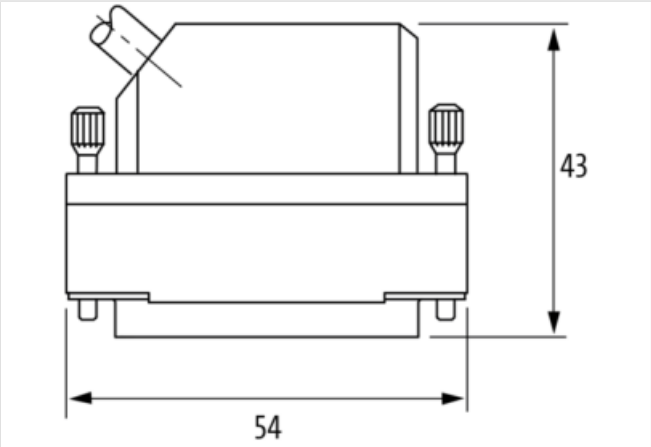
Product details:

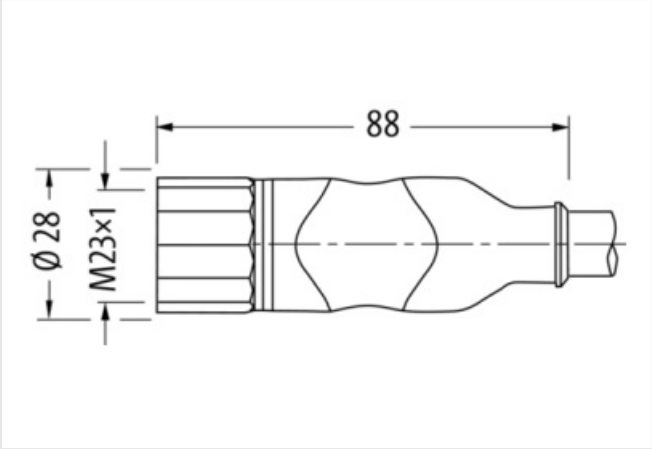
Signal cable for SINAMICS S120 and motors with connection M23
Female straight – female 90°
M23, 17-pole – SUB-D25
Shielded
Further cable lengths on request.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Plastic housings with good resistance against chemicals and oils.

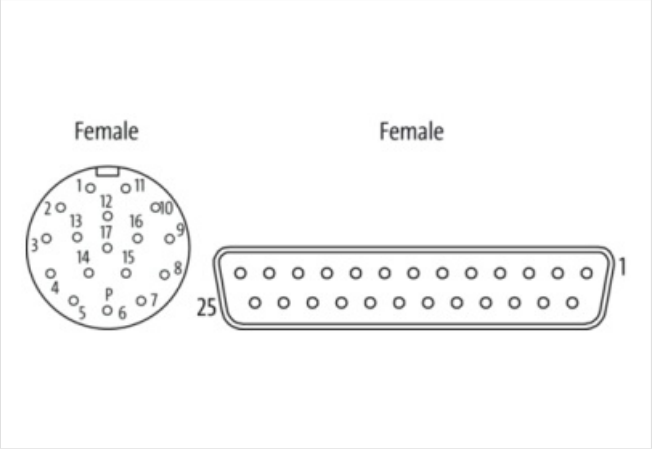
Link to Product

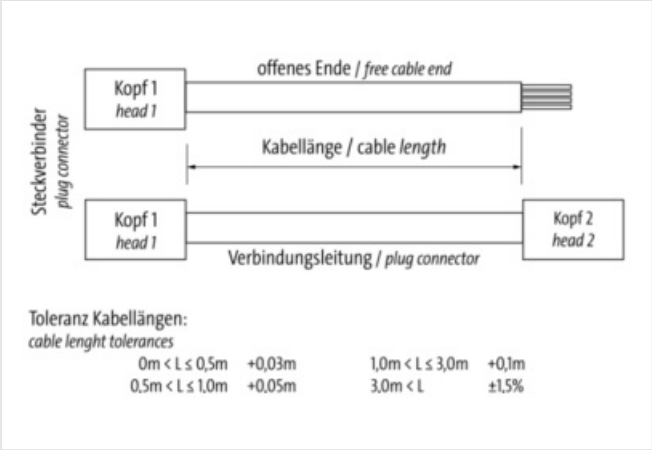
Illustration











Product may differ from Image

Cable length	7,50 m
Side 1	
Family construction form	M23
Threaded hole	M23 x 1
Tightening torque	2 Nm
Width across flats	SW27
Degree of protection (EN IEC 60529)	IP67, IP65
Side 2	
Family construction form	SUB-D25
Degree of protection (EN IEC 60529)	IP20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-SS161-8110750
GTIN	4048879498975
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	4048879498975
Packaging unit	1
Electrical data | Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection | Electrical	
Rated surge voltage	0,5 kV
Material group (IEC 60664-1)	I
Mechanical data | Material data	
Locking material	Brass
Coating locking	nickel plated
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 mm²
Wire arrangement	(GN, YE), (BN, BK), (OG, RD), (BKWH, GY, BU, YEWH), (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 mm²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	7 × 0.16 mm

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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 mm²
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 mm²
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
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