

M23 SERVO CABLE

Specification: 6FX8002-5DA15-1BF0

Power cable with brake wires for SINAMICS S120 and motors with M23 connection and holding brake

Female straight – male straight

M23 – M23, 6-pole

shielded

without cable sleeves

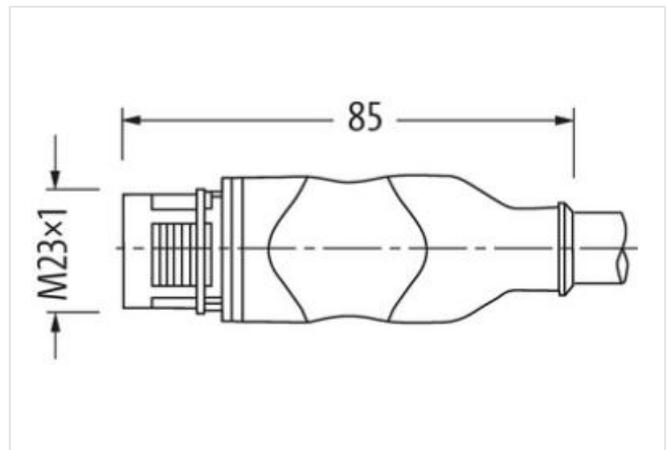
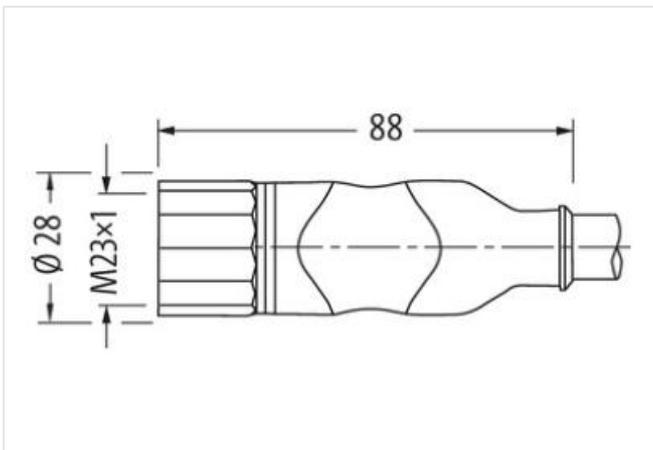
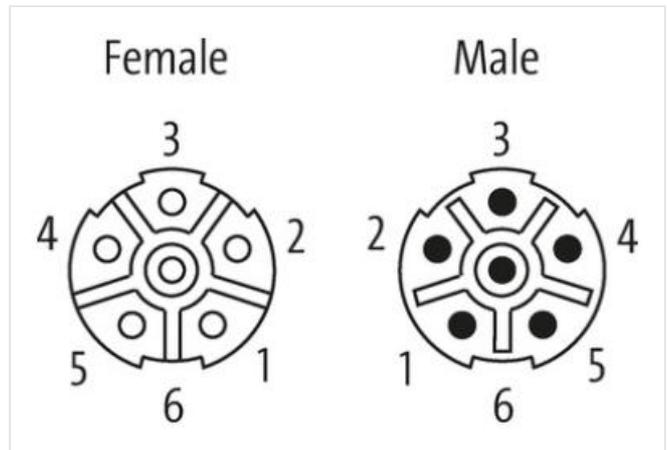
Further cable lengths on request.

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

Form

Form PS101

Technical Data

Operating voltage	600 V AC/DC (PIN 1/2/3/6); 250 V AC/DC (PIN 4/5)
Rated surge voltage	4 kV (PIN 1/2/3/6); 2 kV (PIN 4/5)
Operating current per contact	Power cores: 12 A (1.5 mm ²), 15 A (2.5 mm ²); brake cores: 5 A (1.5 mm ²)
Material group	IEC 60664-1, category I

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-13

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Locking of ports	Screw thread (M23×1 mm) recommended torque 2.0 Nm, self-securing
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Material	PUR
Locking material	Brass, nickel plated
suitable for corrugated tube (internal Ø)	16 mm; 23 mm
Compression gland	M23 (SW27)
General data	
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Cables	
No./diameter of wires	(4G2.5 + (2× 1.5)C)-C
Wire isolation	TPM (bk num, gnye)
C-track properties	10 Mio.
Outer Ø	13.4 mm ±5%
Cable identification	833
Cable number	833
Approval (cable)	cURus (AWM-Style 21223/10492)
Material (wire)	Cu wire, bare
Resistor (core)	max. 13.3 Ω/km (1.5 mm ²), max. 7.98 Ω/km (2.5 mm ²); (20 °C)
Single wire Ø (core)	0.15 mm
Diameter (core)	(4G2.5 + (2× 1.5)C)-C
Material (wire isolation)	PP
Wire-Ø incl. isolation	2.4 ±5% (1.5 mm ²); 3.1 ±5% (2.5 mm ²)
Color/numbering of wires	bk, wh (1.5 mm ²); bk, gnye longitudinally striped (2.5 mm ²)
Shield	yes
Shield (Type)	Copper braid
optical shield cover	min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	13.4 mm ±5%
Color (jacket)	orange
Jacket Color	orange
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Nominal voltage	600/1000 V AC
Test voltage	4.0 kV
Temperature range (fixed)	-50...+80 °C
Temperature range (fixed)	-50...+80 °C
Temperature range (mobile)	-35...+70 °C
Temperature range (mobile)	-35...+70 °C
Bend radius (fixed)	4× outer-Ø
Bend radius (moving)	7.5× outer Ø
Bend radius (moving)	7.5× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Torsion stress	±30°/m
Material (jacket)	PUR (UL/CSA) (=MC800+)
Product article number of manufacturer	7000-PS101-8331500
Cable length	15 m