

## M23 SERVO CABLE

Specification: 6FX8002-5DA05-1BF0

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

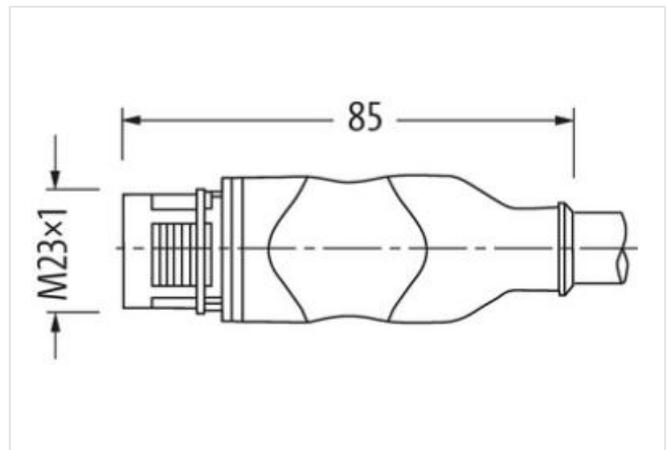
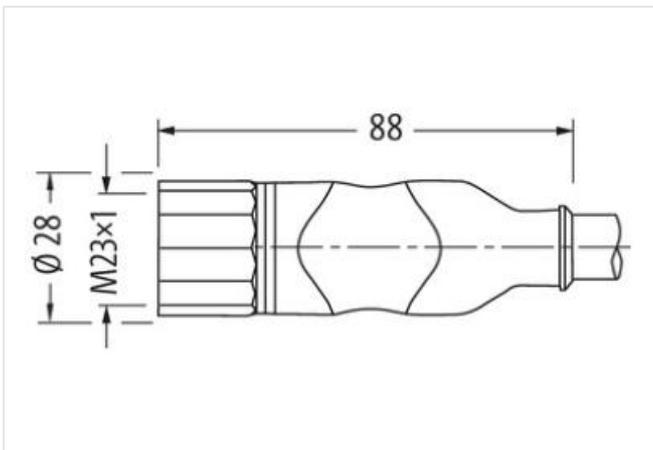
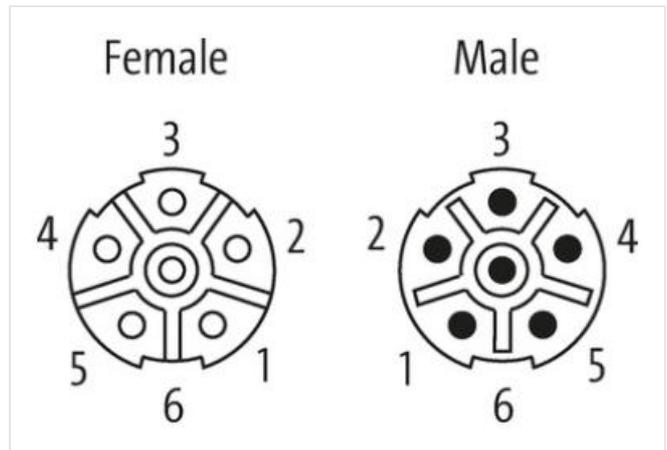
Further cable lengths on request.

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 <sup>2</sup> ), 15 A (2.5 mm <sup>2</sup> ); brake cores: 5 A (1.5 mm <sup>2</sup> )
Material group	IEC 60664-1, category I

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)
<b>General data</b>	
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
<b>Cables</b>	
No./diameter of wires	(4G1.5 + (2× 1.5)C)-C
Wire isolation	TPM (bk num, gnye)
C-track properties	10 Mio.
Outer Ø	11.6 mm ±5%
Cable number	821
Approval (cable)	cURus (AWM-Style 21223/10492)
Diameter (core)	4× 2.5 + 2× 1.5 mm <sup>2</sup>
Shield	yes
Jacket Color	orange
Temperature range (fixed)	-50...+80 °C
Temperature range (mobile)	-35...+70 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	7.5× outer Ø
Torsion stress	±30°/m
Material (jacket)	PUR (UL/CSA) (=MC800+)
Product article number of manufacturer	7000-PS101-8211500
Cable length	15 m