

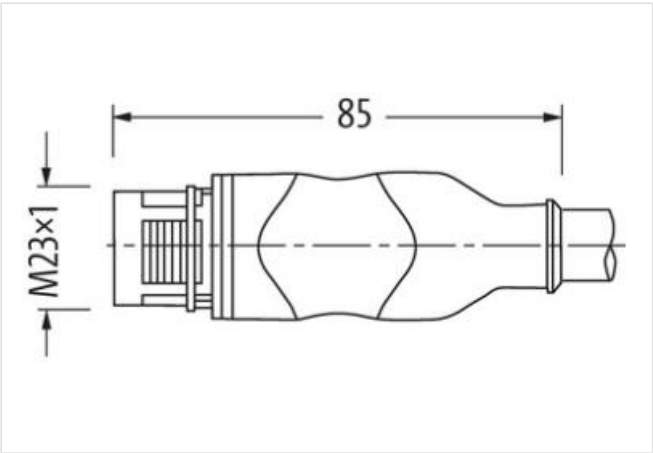
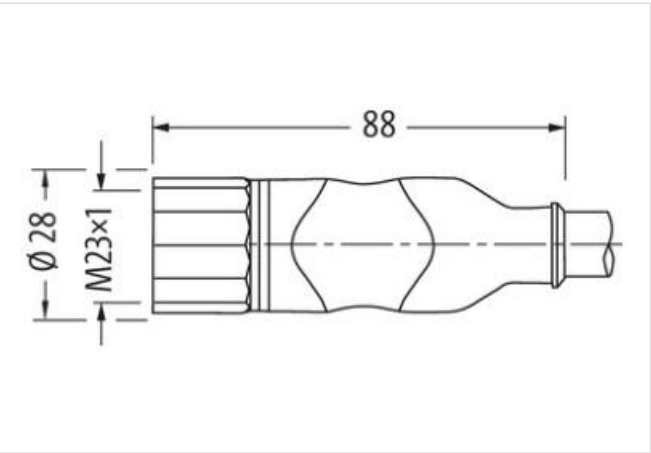
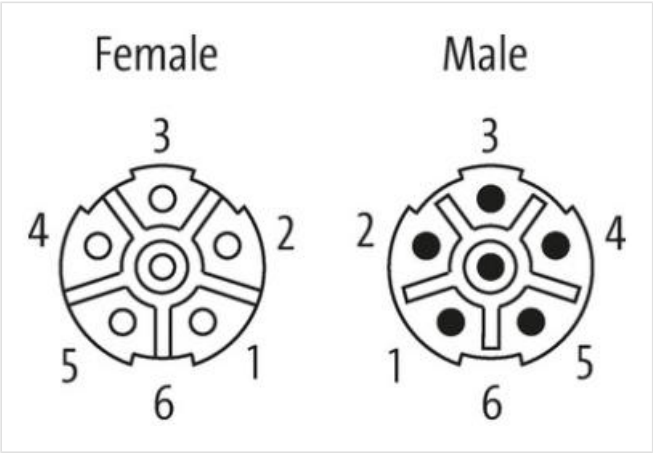
M23 servo cable

specification: 6FX5002-5DA15-1BA0

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 mm²), 15 A (2.5 mm²); brake cores: 5 A (1.5 mm²)
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)
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	0.1 Mio.
Outer Ø	12.0 mm ±5%
Cable identification	863
Cable number	863
Approval (cable)	UL (AWM-Style 2570/10492), CSA
Material (wire)	Cu wire, bare
Resistor (core)	max. 13.3 Ω/km (20 °C)
Single wire Ø (core)	0.25 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); 3.0 ±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)	PVC
Outer-Ø (jacket)	12.0 mm ±5%
Color (jacket)	orange
Jacket Color	orange
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Temperature range (fixed)	-20...+80 °C
Temperature range (fixed)	-20...+80 °C
Temperature range (mobile)	-20...+60 °C
Temperature range (mobile)	-20...+60 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Torsion stress	±30°/m
Material (jacket)	PVC (UL/CSA) (=MC500)
Product article number of manufacturer	7000-PS101-8631000
Cable length	10 m