

## M23 SERVO CABLE

Specification: 6FX5002-5DS16-1AH0

Female straight – pre-wired terminals  
M23, 6-pole  
shielded

Power connector SIEMENS

Power cable with brake wires for SINAMICS S120 and motors with M23 connection and holding brake without cable sleeves

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

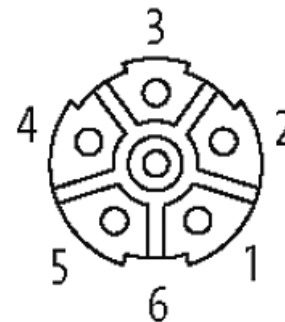
The resistance to aggressive media should be individually tested for your application. Further details on request.

### Link to Product

#### Illustration



Female



Product may differ from Image

#### Form

Form PS411

#### 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   |
| Compression gland                         | M23 (SW27)   |
| Protection                                | IP65 and IP67 when plugged and screwed down (EN 60529)   |
| Locking material                          | Brass, nickel plated   |
| Material                                  | PUR  |
| suitable for corrugated tube (internal Ø) | 16 mm; 23 mm   |

#### General data

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: 03/22

Murrelektronik Ltd. | 5 Albion Street, Pendlebury Industrial Estate, Swinton | Manchester M27 4FG | Fon +44 161 728 3133 | Fax +44 161 728 3130 | shop@murrelektronik.co.uk | shop.murrelektronik.co.uk

|                            |   |
|----------------------------|---|
| Pollution Degree           | 3   |
| Temperature range          | -25...+85 °C, depending on cable quality  |
| Material (gasket)          | FKM   |
| <b>Cables</b>              |   |
| Cable number               | 863   |
| No./diameter of wires      | (4G2.5 + (2× 1.5)C)-C   |
| Wire isolation             | TPM (bk num, gnye)  |
| C-track properties         | 0.1 Mio.  |
| Jacket Color               | orange  |
| Material (jacket)          | PVC (UL/CSA) (=MC500)   |
| Outer Ø                    | 12.0 mm ±5%   |
| Bend radius (moving)       | 10× outer Ø   |
| Temperature range (fixed)  | -20...+80 °C  |
| Temperature range (mobile) | -20...+60 °C  |
| Specification              | 6FX5008-1BA21   |
| Cable identification       | 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 <sup>2</sup> ); 3.0 ±5% (2.5 mm <sup>2</sup> )                        |
| Color/numbering of wires   | bk, wh (1.5 mm <sup>2</sup> ); bk, gnye longitudinally striped (2.5 mm <sup>2</sup> ) |
| Shield                     | yes   |
| optical shield cover       | min. 85%  |
| Material (jacket)          | PVC   |
| Outer-Ø (jacket)           | 12.0 mm ±5%   |
| Color (jacket)             | orange  |
| thermal resistance         | flame retardant UL 1581 VW1 / CSA FT1   |
| Temperature range (fixed)  | -20...+80 °C  |
| Temperature range (mobile) | -20...+60 °C  |
| Bend radius (fixed)        | 5× outer Ø  |
| Torsion stress             | ±30°/m  |
| <b>Commercial data</b>     |   |
| country of origin          | DE  |
| customs tariff number      | 85444290  |
| EAN                        | 4048879656467   |
| eClass                     | 27279218  |
| Packaging unit             | 1   |