

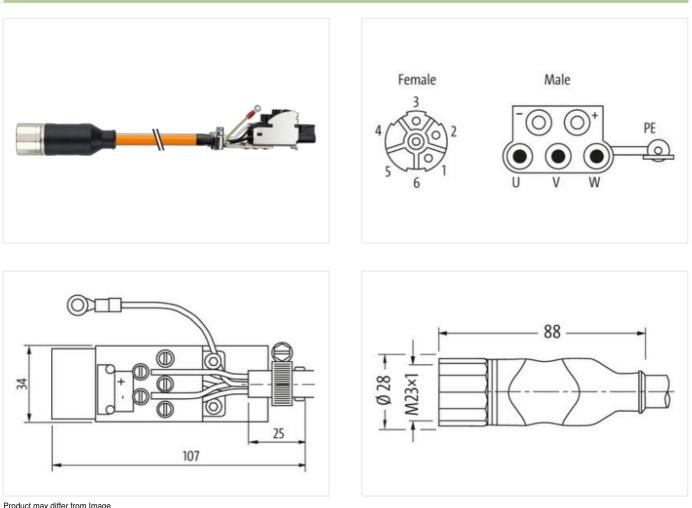
M23 SERVO CABLE

Specification: 6FX5002-5CS01-1CA0

Power cable for SINAMICS S120 and Motors with M23 connection Female straight - pre-wired terminals M23, 6-pole 4-pole used 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. Power cores: 12 A (1.5 mm²), 15 A (2.5 mm²); brake cores: 5 A (1.5 mm²)

Link to Product

Illustration



Product may differ from Image

Cable length	20 m	
Side 1		
Tightening torque	2 Nm	
Family construction form	M23	
Thread	M23 x 1	
Width across flats	SW27	

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85444290

Commercial data ECLASS-6.0

ECLASS-7.0

ECLASS-8.0

ECLASS-9.0

ECLASS-10.1

ECLASS-11.1

ECLASS-12.0

customs tariff number

ETIM-5.0



GTIN	4048879536202
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	630 V
Operating voltage DC max.	630 V
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20, IP67
Pollution Degree	3
Mechanical data Material data	
Coating locking	nickel plated
Material housing	PUR
Locking material	Brass
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 strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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.

Installation Cable	
wire arrangement	black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow
Cable identification	865
Jacket Color	orange
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires with Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fiber tape, Fleece
Filler	yes
wire arrangement	black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow
Cable weigth	128,7 g/m
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free, silicone-free
Outer-diameter (jacket)	8,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation (Power)	ТРМ
Outer diameter wire insulation (Power)	2,4 mm

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Tolerance outer diameter wire insulation (Power)	±5 %
Ingredient freeness wire insulation (Power)	lead-free, CFC-free, silicone-free
Printing colour wire insulation (Power)	white (isolation black)
Amount wires (Power)	4
Amount strands wire (Power)	30
Diameter of single wires (Power)	0,25 mm
Wire conductor cross section (Power)	1,5 mm ²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	Strand class 5
Max. rated voltage (conductor - conductor)	1000 V
Max. rated voltage (conductor - ground)	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current carrying capacity min. wire (Power)	14,4 A
Electrical resistance coating wire (Power)	13,7 Ω/km @20 °C
AC withstand voltage (wire - wire)	4 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	4 kV @ 60 s
AC withstand voltage (wire - shield)	4 kV @ 60 s
Isolation resistance	10 MΩ × km
Electrical capacity line constant (wire - shield) (power)	250000 pF/km
Electrical capacity line constant (wire - wire) (power)	150000 pF/km
Min. operating temperature (static)	-25 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-5 °C
	-5 0
Operating temperature max. (dynamic)	-> 0 C
Flame resistance	
	60 °C
Flame resistance	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Flame resistance chemical resistance	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing
Flame resistance chemical resistance Gasoline resistance	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing
Flame resistance chemical resistance Gasoline resistance Oil resistance	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404
Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed)	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 5 x Outer diameter
Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 5 x Outer diameter 18 x Outer diameter
Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track)	60 °C IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 5 x Outer diameter 18 x Outer diameter 0,1 Mio. @ 25 °C

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