

## **M23 SERVO CABLE**

specification: 6FX8002-5DG01-1CJ5

Female straight

M23, 6-pole

shielded

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

Mounting bracket

without cable sleeves

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

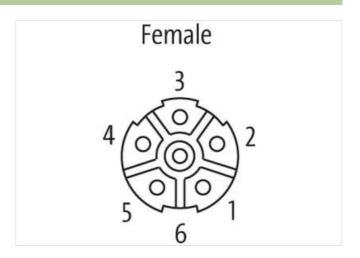
The resistance to aggressive media should be individually tested for your application. Further details on request.

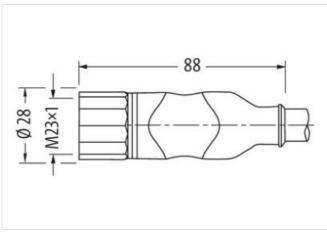
Power cores: 12 A (1.5 mm²), 15 A (2.5 mm²); brake cores: 5 A (1.5 mm²)

## **Link to Product**

## Illustration







Product may differ from Image

Cable length	28,5 m	
Side 1		
Tightening torque	2 Nm	
Family construction form	M23	
Thread	M23 x 1	

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03



stay connected

suitable for corrugated tube (internal Ø)	16 mm
Width across flats	SW27
Commercial data	
	07070040
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879684422
Packaging unit	1
Electrical data   Supply	
Operating voltage AC per power contact max.	600 V
Operating voltage AC per signal contact max.	250 V
Operating voltage DC per power contact max.	600 V
Operating voltage DC per signal contact max.	250 V
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage power contacts	4 kV
Rated surge voltage signal contacts	2 kV
Material group (IEC 60664-1)	1
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
Installation   Cable	
STOOW style jacket	Hybrid, Signal, Power
Cable identification	821
Jacket Color	orange
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires with Filler twisted
Amount stranding (type 2)	2 wires with a mer twisted
Stranding (type 2)	4 wires with Filler around Stranding combination twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	copper braid, tinned
Banding	Fiber tape, Fleece, Foil
Filler	yes
	,

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## stay connected

lack, white, (black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow)  0 m @ 25 °C   horizontal  31 g/m  MPU  ad-free, CFC-free, halogen-free, silicone-free  1,3 mm  5 %  PM  4 mm  5 %  ad-free, CFC-free, halogen-free, silicone-free  4  ,15 mm  ,5 mm²  ttranded copper wire, bare  trand class 6  PM  ,4 mm  5 %  ad-free, CFC-free, halogen-free, silicone-free  thite (isolation black)
31 g/m MPU bad-free, CFC-free, halogen-free, silicone-free 1,3 mm  5 % PM  4 mm 5 % bad-free, CFC-free, halogen-free, silicone-free 4 ,15 mm ,5 mm² tranded copper wire, bare trand class 6 PM ,4 mm 5 % bad-free, CFC-free, halogen-free, silicone-free bad-free, capable bad-free, capab
MPU  add-free, CFC-free, halogen-free, silicone-free  1,3 mm  5 %  PM  4 mm  5 %  add-free, CFC-free, halogen-free, silicone-free  4  ,15 mm  ,5 mm²  tranded copper wire, bare  trand class 6  PM  ,4 mm  5 %  add-free, CFC-free, halogen-free, silicone-free
1,3 mm  5 %  PM  4 mm  5 %  sad-free, CFC-free, halogen-free, silicone-free  4  ,15 mm  ,5 mm²  stranded copper wire, bare  trand class 6  PM  ,4 mm  5 %  sad-free, CFC-free, halogen-free, silicone-free
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PM  ,4 mm  5 %  ad-free, CFC-free, halogen-free, silicone-free  4 ,15 mm ,5 mm²  stranded copper wire, bare  trand class 6  PM ,4 mm  5 %  ad-free, CFC-free, halogen-free, silicone-free
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,4 mm 5 % ead-free, CFC-free, halogen-free, silicone-free 4 ,15 mm ,5 mm² etranded copper wire, bare trand class 6 PM ,4 mm 5 % ead-free, CFC-free, halogen-free, silicone-free
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,15 mm ,5 mm²  tranded copper wire, bare  trand class 6  PM ,4 mm  5 %  ead-free, CFC-free, halogen-free, silicone-free
tranded copper wire, bare trand class 6  PM  ,4 mm  5 % ead-free, CFC-free, halogen-free, silicone-free
tranded copper wire, bare trand class 6 PM ,4 mm 5 % ead-free, CFC-free, halogen-free, silicone-free
trand class 6 PM ,4 mm 5 % ead-free, CFC-free, halogen-free, silicone-free
PM ,4 mm  5 % ead-free, CFC-free, halogen-free, silicone-free
,4 mm  5 % ead-free, CFC-free, halogen-free, silicone-free
5 % ead-free, CFC-free, halogen-free, silicone-free
ead-free, CFC-free, halogen-free, silicone-free
hite (isolation black)
The flooration stack)
4
,15 mm
,5 mm <sup>2</sup>
tranded copper wire, bare
trand class 6
000 V
00 V
DIN VDE 0298-4
2,6 A
3,7 Ω/km @ 20 °C
3,7 Ω/km @20 °C
kV @ 300 s
60000 pF/km
kV @ 300 s
kV @ 300 s
80 °C
0 °C
30 °C
0 °C
IL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Good, application-related testing
abou, application-related testing
IN EN 60811-404   Good, application-related testing
x Outer diameter
,5 x Outer diameter
0 Mio. @ 25 °C 30 °/m
4 ,11 ,15