

### **DRIVE CLIQ CABLE**

Specification: 6FX8002-2DC10-1BH5

Art.No.: 7000-SS051-8801750

Weight: 1.175 Country of origin: DE

Model designation: M6FX8002-2DC10-1BH5

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

## **Product details:**

DRIVE-CLiQ signal cable for SINAMICS S120 and motors with DC 24 V wires

Male straight - male straight

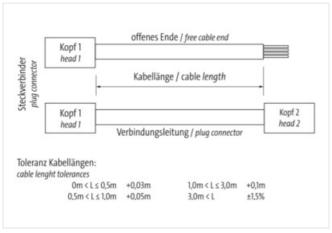
DRIVE-CLiQ IP67 - DRIVE CLiQ IP20

Further cable lengths on request.

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



Header		
Material short text	M6FX8002-2DC10-1BH5	
Cable length	17,50 m	
Side 1		



stay connected

Mounting method         pluggable           Side 2         Mounting method         pluggable           Commercial data         Publication         Interview of the publication of	Family construction form	RJ45	
Mounting method         pluggable           Commercial data           URL Webshop         https://shop.murrelektronk.com/7000-SS051-8801750           GTN         4048878841107           GCLASS-8.0         27061801           ECLASS-8.1         270603007           ECLASS-7.0         270603007           ECLASS-8.1         270603007           ECLASS-8.1         270603007           ECLASS-8.1         270603007           ECLASS-9.1         270603007           ECLASS-9.1         270603007           ECLASS-9.1         270603007           ECLASS-10.0.1         270603007           ECLASS-10.0         270603007           ECLASS-11.0         270603007           ECLASS-12.0         270603007           ECLASS-13.0         270603007           ECLASS-13.0         270603007           ECLASS-14.0         270603007           ECLASS-13.0         270603007           ECLASS-14.0         270603007           ECLASS-10.0         270603007           ECLASS-10.0         270603007           ECLASS-10.0         270603007           ECLASS-10.0         270603007 <th collapse="" colle<="" collegate="" td=""><td>Mounting method</td><td>pluggable</td></th>	<td>Mounting method</td> <td>pluggable</td>	Mounting method	pluggable
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Rated surge voltage 0,5 kV  Material group (IEC 60664-1) II  Mechanical data   Mounting data  Looking techniques DRIVE-CLiQ  Environmental characteristics   Climatic  Operating temperature min20 °C  Operating temperature max. 80 °C  Additional condition temperature range depending on cable quality  Important installation notes  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.  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Installation   Cable  Cable identification 880  Amount stranding 3  Stranding Wires	<u> </u>		
Material group (IEC 60664-1)  Mechanical data   Mounting data Looking techniques  DRIVE-CLiQ  Environmental characteristics   Climatic  Operating temperature min.  -20 °C  Operating temperature max.  80 °C  Additional condition temperature range depending on cable quality  Important installation notes  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.  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Installation   Cable  Cable identification  880  Amount stranding  3  Stranding  Wires			
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Looking techniques       DRIVE-CLiQ         Environmental characteristics   Climatic         Operating temperature min.       -20 °C         Operating temperature max.       80 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Installation   Cable         Cable identification       880         Amount stranding       3         Stranding       Wires			
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Cable identification 880  Amount stranding 3  Stranding Wires	Installation   Cable		
Amount stranding 3 Stranding Wires	·	880	
Stranding Wires			
	<u> </u>		
Amount stranding (type 2) 1	Amount stranding (type 2)	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: 2025-11-15



# stay connected

Stranding (type 2)	Stranded joints
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
Wire arrangement	(green, yellow), (pink, blue), (red, Black)
Cable weigth	69 g/m
Material wire insulation	Polyolefin
Amount wires	4
Outer diameter insulation	1 mm
Outer diameter tolerance core insulation	± 0,05 mm
Amount strands (wire)	19
Diameter of single wires	0,118 mm
Conductor crosssection (wire)	0,2 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (type 2)	Polyolefin
Outer diameter wire insulation (type 2)	1 mm
Tolerance outer diameter wire insulation (type 2)	± 0,05 mm
Amount wires (type 2)	2
Amount strands wire (type 2)	19
Diameter of single wires (type 2)	0,16 mm
Conductor crosssection wire (type 2)	0.38 mm <sup>2</sup>
Material conductor wire (type 2)	copper stranded wire, tinned
Wire conductor type (type 2)	strand class 6
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Freedom from ingredients (jacket)	CFC-free, halogen-free, lead-free
Conductor resistance (wire)	94 Ω/km @ 20 °C
Conductor resistance (wire)	55 Ω/km @ 20 °C
Isolation resistance	1.000 MΩ × km
Nominal voltage AC max.	30 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)  Current load capacity min. wire	2,4 A
Current load capacity min. Wire (type 2)	6 A
Characteristic impedance	100 Ω 5 MHz
Min. operating temperature (static)	-20 °C
Max. operating temperature (static)	80 °C
Operating temperature (static)	-20 °C
Operating temperature max. (dynamic)	60 °C
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio.
Traversing distance (C-track)	50 m @ 25 °C   horizontal
Travel speed (C-track)	5 m/s @ 25 °C
Acceleration (C-track)	50 m/s² @ 25 °C
Torsion stress	30 °C
10101011 011000	50 C