

**Valve plug MDC06-6s / MDC04-6p**

PUR 6x0.75 bk UL/CSA+drag ch. 10m

Art.No.: 7072-77121-5721000

Weight: 0.932 kg

Country of origin: DE

Model designation: MSTEL0-TD-6p2\_572\_10.0-S72

Xtreme - Outdoor

Male straight – female straight

6...230 V AC/DC

6-pole

without components

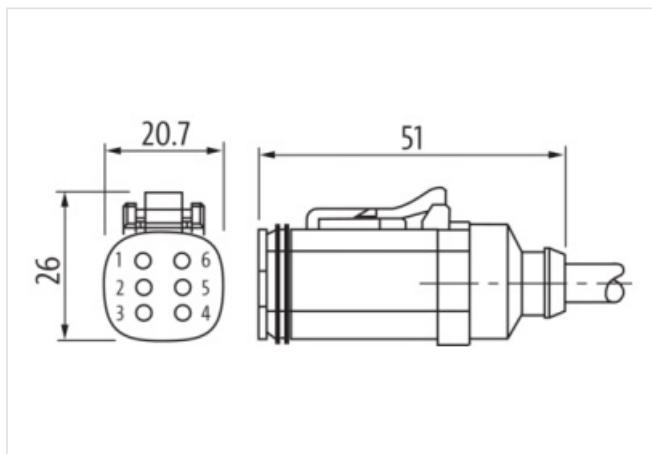
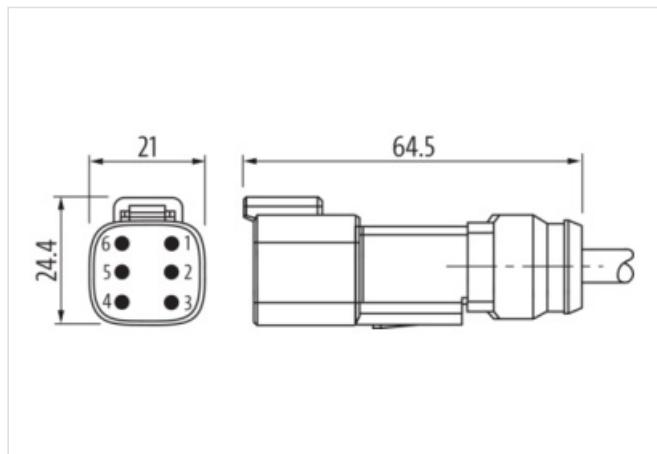
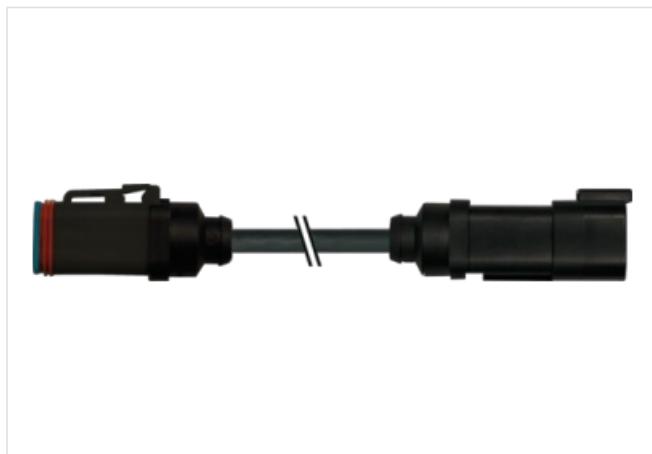
with cable sleeves

compatible to Deutsch DT06-6S and Deutsch DT04-6P

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.

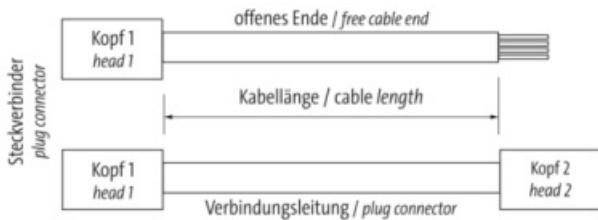
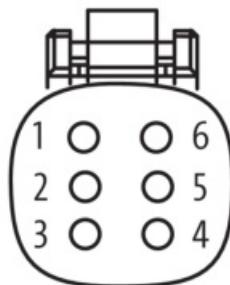
Further cable lengths on request.

[Link to Product](#)
**Illustration**


## Female male contacts

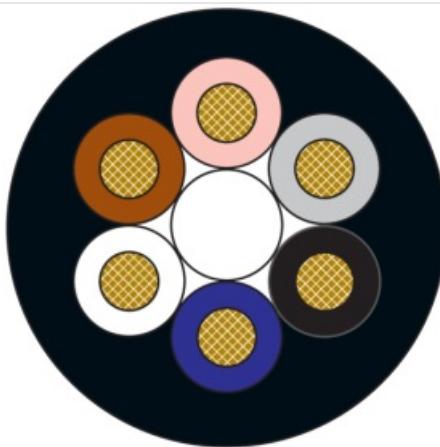
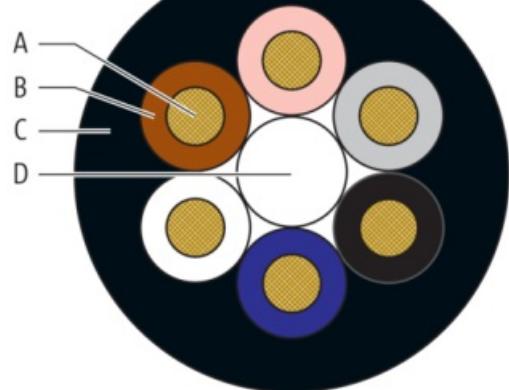


## Male female contacts



Toleranz Kabellängen:  
cable length tolerances

0m < L ≤ 0,5m	+0,03m	1,0m < L ≤ 3,0m	+0,1m
0,5m < L ≤ 1,0m	+0,05m	3,0m < L	±1,5%



Product may differ from Image



### Header

Material short text MSTEL0-TD-6p2\_572\_10.0-S72

Cable length 10,00 m

### Side 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: 2025-12-24

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Family construction form	Amphenol AT06-6S
No. of poles	6
Mounting method	inserted
Material contact	Copper alloy
Coating contact	nickel plated

**Side 2**

Family construction form	Amphenol AT04-6P
No. of poles	6
Mounting method	inserted
Coating contact	nickel plated

**Commercial data**

URL Webshop	<a href="https://shop.murrelektronik.com/7072-77121-5721000">https://shop.murrelektronik.com/7072-77121-5721000</a>
GTIN	4048879756495
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060312
ECLASS-9.1	27060312
ECLASS-10.0.1	27060312
ECLASS-10.1	27060312
ECLASS-11.0	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ECLASS-13.0	27060312
ECLASS-14.0	27060312
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879756495
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC min.	6 V
Operating voltage AC max.	230 V
Operating voltage DC min.	6 V
Operating voltage DC max.	230 V
Current operating per contact max.	8 A

**Diagnostics**

Status indication LED	No
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**Device protection | Electrical**

Degree of protection (EN IEC 60529)	IP69K, IP68
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Additional suppressor	without components
Rated surge voltage	4 kV
Material group (IEC 60664-1)	I

**Mechanical data | Material data**

Material housing	PA
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Material gasket	Silicon
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**Mechanical data | Mounting data**

Looking techniques	Snap-in connector
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**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 bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
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Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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**Installation | Cable**

Cable identification	572
Cable Type	3
Amount stranding	1
Stranding	6 wires around core filler twisted
Filler	Yes
Wire arrangement	brown, pink, gray, black, blue, white
Cable weight	81 g/m
Material wire insulation	PP
Amount wires	6
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	± 0,1 mm
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Shore hardness wire insulation (type 2)	70 ± 5 Shore D
Outer-diameter (jacket)	7,3 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	26 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	8,4 A
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good

Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	10 m/s <sup>2</sup> @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °C
Torsion speed	35 cycles/min