

**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

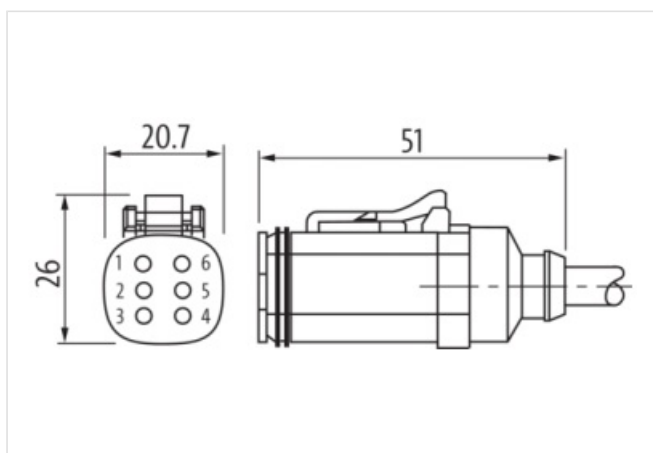
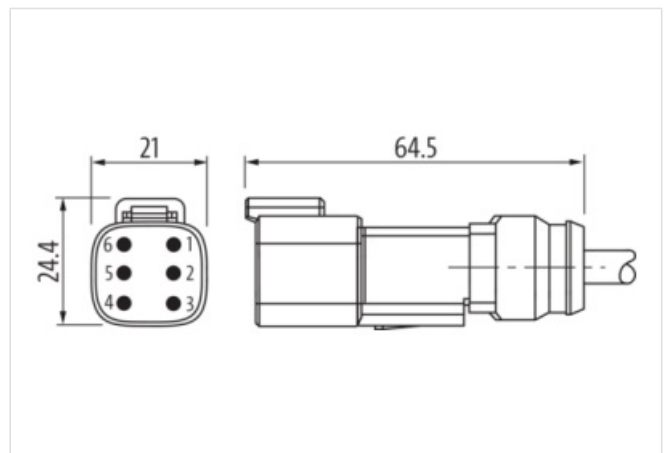
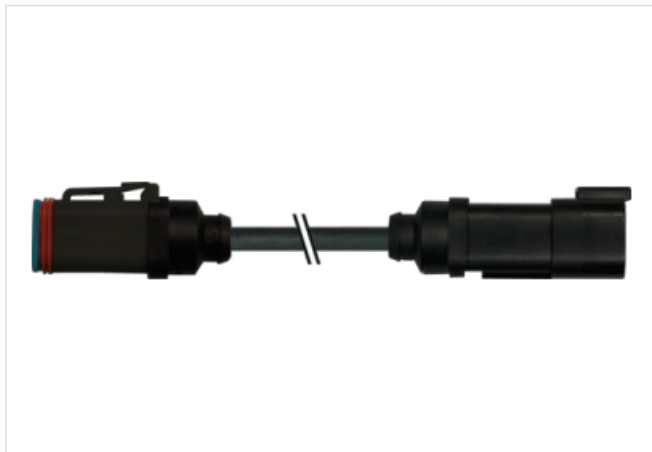
with cable sleeves

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.

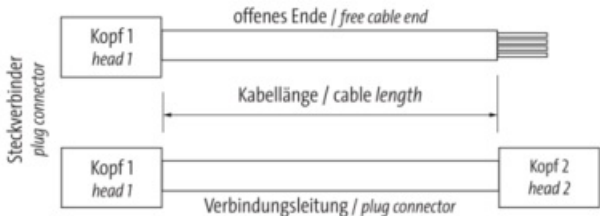
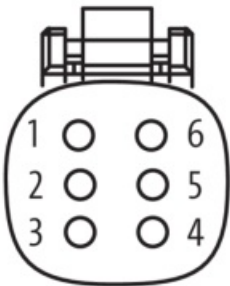
**[Link to Product](#)****Illustration**

1	BN	1
2	WH	2
3	BU	3
4	BK	4
5	GY	5
6	PK	6

Female  
male contacts

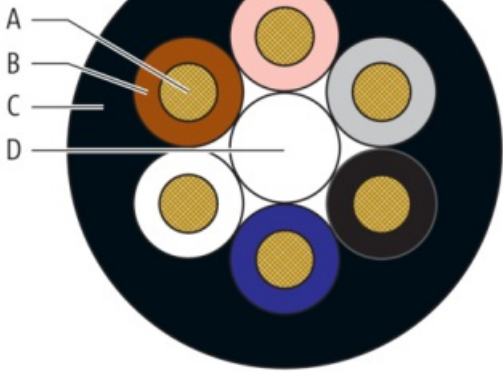


Male  
female contacts



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

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

## 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.
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	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 weigth	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 mm²
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/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °C
Torsion speed	35 cycles/min