

Valve plug MDC06-4s / MDC06-4s

PUR 1x4x0.5 shielded vt UL/CSA+drag ch. 1.5m

Xtreme - Outdoor

Male straight – male straight

Further cable lengths on request.

6 ... 32 V AC/DC

4-pole

without components

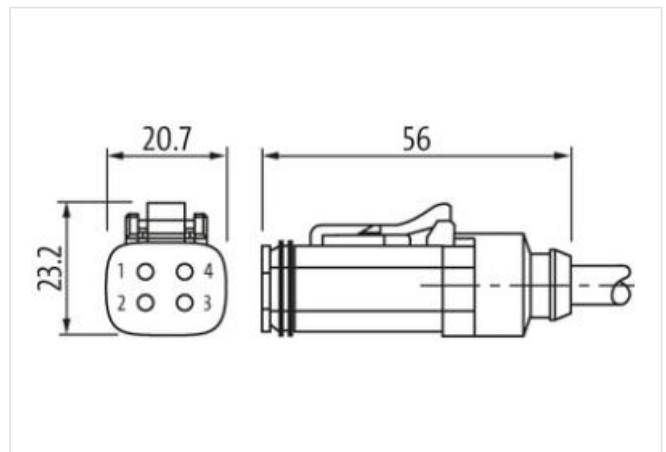
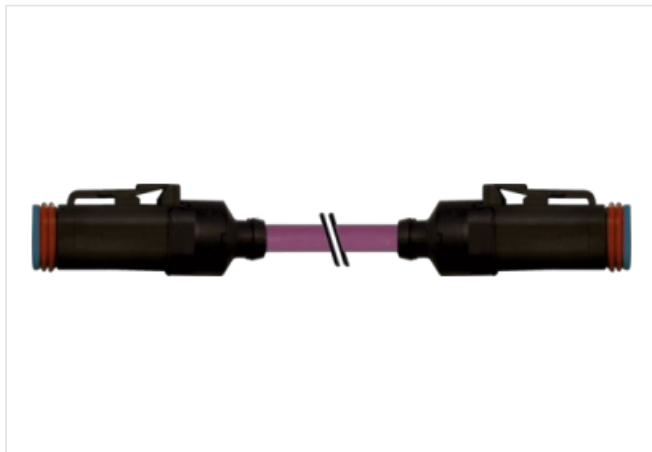
with cable sleeves

Compatible with:

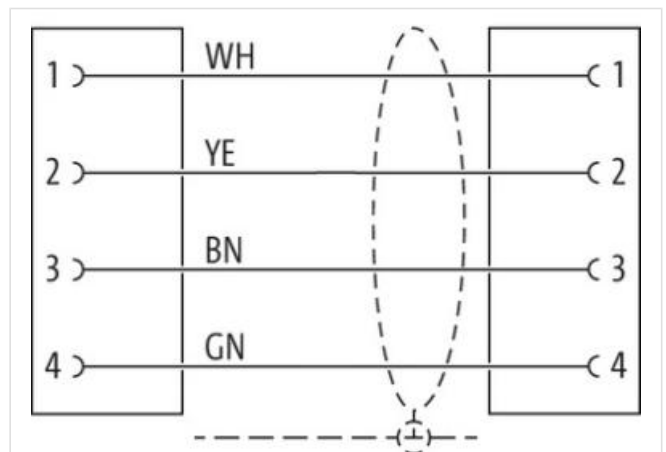
Deutsch DT06-4S

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.

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

Product may differ from Image



Cable length 1,5 m

Side 1

Mounting method	inserted
Coating contact	nickel plated
Family construction form	MDC
suitable for corrugated tube (internal Ø)	13 mm
Material contact	Copper alloy
No. of poles	4

Side 2

Mounting method	inserted
Coating contact	nickel plated
Family construction form	MDC
suitable for corrugated tube (internal Ø)	13 mm
No. of poles	4

Commercial data

ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879829076
Packaging unit	1

Electrical data | Supply

Operating voltage AC min.	6 V
Operating voltage AC max.	32 V
Operating voltage DC min.	6 V
Operating voltage DC max.	32 V
Current operating per contact max.	4 A

Diagnostics

Status indication LED	no
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Installation | Connection

Family construction form	Amphenol AT06-4S
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP68, IP66K, IP69K
Additional condition protection degree	inserted
Pollution Degree	2
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	III
Additional suppressor	without components

Mechanical data | Material data

Material gasket	Silicon
Material housing	PA

Mechanical data | Mounting data

Looking techniques	Snap-in connector
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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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	(white, brown), (yellow, green)
Cable identification	804
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	(white, brown), (yellow, green)
Cable weight	97,9 g/m
Material jacket	PUR
Shore hardness jacket	90 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8,2 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	2,4 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	30
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,5 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	50 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	7,2 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	8 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C

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: 2024-05-27

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Travel speed (C-track)

3 m/s @ 25 °C