

## Valve plug MDC06-4s / M12 female 0° Xtreme

PUR 4x0.75 bk UL/CSA+drag ch. 1m

Xtreme - Outdoor Female straight - male straight Stainless steel 1.4305 (V2A/M12) 6...230 V AC/DC 4-pole without components compatibel to Deutsch DT06-4S

Plastic housings with good resistance against chemicals and oils.

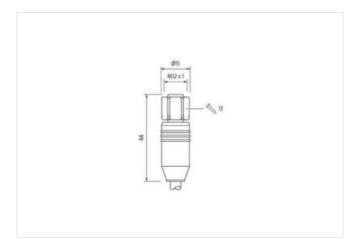
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

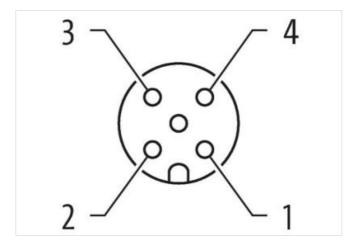
## **Link to Product**

## Illustration



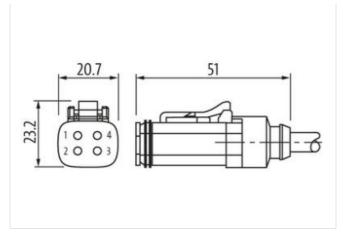


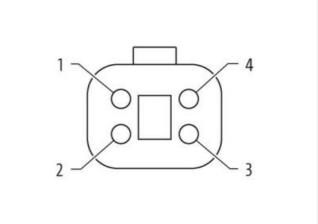






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Product may differ from Image

Cable length         1 m           Side 1         Side 1           Tightening torque         0.6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           Material contact         PUR           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, F66K, IP68           Side 2         FW           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         rickle plated           Family construction form         Amphenol AT06 48           Timead         M12 x 1           Material         PA           No. of poles         4           Commercial data         Commercial data           ECLASS-0.0         27279218           ECLASS-1.0         27279218           ECLASS-1.1         27060312           ECLASS-1.2.0         27060312           ECLASS-1.2.0         2706			
Tightening torque	Cable length	1 m	
Mounting method   Inserted, screwed	Side 1		
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-11.1         4048879757256           Packaging unit <td< td=""><td>Tightening torque</td><td>0,6 Nm</td></td<>	Tightening torque	0,6 Nm	
Coaling contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Side 2           Typhening torque           Mounting method         inserted, screwed           Coaling contact         nickel plated           Family construction form         Amphrenol ATD6-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial date         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-15.0         EC001855           customs tariff number         85444290		inserted, screwed	
Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-48           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         270960312           ECLASS-10.1         4048879757256           packaging uit         1 <td co<="" td=""><td></td><td>gold plated</td></td>	<td></td> <td>gold plated</td>		gold plated
Thread         M12 x 1           Coding         A           Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coaling contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27660311           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECO1855           customs tariff number         85444290           GTIN         404879757256           Packaging unit         1			
Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         2760312           ECLASS-9.0         2760312           ECLASS-1.1.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         E001855           customs tariff number         8544290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V </td <td>Thread</td> <td>M12 x 1</td>	Thread	M12 x 1	
Material         PUR           No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27606311           ECLASS-9.0         27606312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         EC01855           customs tariff number         8544290           GTIN         4048879757256           Packaging wit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Coding	A	
No. of poles         4           Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         EC001855           customs tariff number         8544290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Material contact	Copper alloy	
Width across flats         SW14           Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2         Tightening torque         0.6 Nm           Mounting method         inserted, screwed           Coating contact         nicklel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Material	PUR	
Degree of protection (EN IEC 60529)         IP65, IP66K, IP68           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           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           ECTIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	No. of poles	4	
Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP688           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECIMS-5.2.0         27060312           ECIMS-5.0         EC001855           customs tariff number         85444290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Width across flats	SW14	
Tightening torque 0,6 Nm  Mounting method inserted, screwed  Coating contact nickel plated  Family construction form Amphenol AT06-4S  Thread M12 x 1  Material PA  No. of poles 4  Degree of protection (EN IEC 60529) IP68  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27279218  ECLASS-10.1 27060312  ECLASS-11.1 27060312  ECLASS-11.1 27060312  ECLASS-12.0 27060312  ECLASS-13.0 EC001855  customs tariff number 8544290  GTIN 4048879757256  Packaging unit 1  Electrical data   Supply  Operating voltage AC min. 6 V	Degree of protection (EN IEC 60529)	IP65, IP66K, IP68	
Mounting method         inserted, screwed           Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Side 2		
Coating contact         nickel plated           Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           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         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Tightening torque	0,6 Nm	
Family construction form         Amphenol AT06-4S           Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           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         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Mounting method	inserted, screwed	
Thread         M12 x 1           Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           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         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Coating contact	nickel plated	
Material         PA           No. of poles         4           Degree of protection (EN IEC 60529)         IP68           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         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Family construction form	Amphenol AT06-4S	
No. of poles         4           Degree of protection (EN IEC 60529)         IP68           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         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Thread	M12 x 1	
Degree of protection (EN IEC 60529)         IP68           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         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	Material	PA	
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       4048879757256         Packaging unit       1         Electrical data   Supply         Operating voltage AC min.       6 V	No. of poles	4	
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 EC01855  customs tariff number 85444290  GTIN 4048879757256  Packaging unit 1  Electrical data   Supply  Operating voltage AC min. 6 V	Degree of protection (EN IEC 60529)	IP68	
ECLASS-7.0 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 4048879757256  Packaging unit 1  Electrical data   Supply  Operating voltage AC min. 6 V	Commercial data		
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 4048879757256  Packaging unit 1  Electrical data   Supply  Operating voltage AC min. 6 V	ECLASS-6.0	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 4048879757256  Packaging unit 1  Electrical data   Supply  Operating voltage AC min. 6 V	ECLASS-7.0	27279218	
ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879757256 Packaging unit 1  Electrical data   Supply Operating voltage AC min. 6 V	ECLASS-8.0	27279218	
ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879757256         Packaging unit       1         Electrical data   Supply         Operating voltage AC min.       6 V	ECLASS-9.0	27060311	
ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879757256         Packaging unit       1         Electrical data   Supply         Operating voltage AC min.       6 V	ECLASS-10.1	27060312	
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	ECLASS-11.1	27060312	
customs tariff number 85444290 GTIN 4048879757256 Packaging unit 1  Electrical data   Supply Operating voltage AC min. 6 V	ECLASS-12.0	27060312	
GTIN         4048879757256           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         6 V	ETIM-5.0	EC001855	
Packaging unit 1  Electrical data   Supply  Operating voltage AC min. 6 V	customs tariff number	85444290	
Electrical data   Supply  Operating voltage AC min. 6 V	GTIN	4048879757256	
Operating voltage AC min. 6 V	Packaging unit	1	
	Electrical data   Supply		
Operating voltage AC max 230 V	Operating voltage AC min.	6 V	
aparamy ranaga na man	Operating voltage AC max.	230 V	



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Operating voltage DC min.	6 V
Operating voltage DC max.	230 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	2.5 kV
Material group (IEC 60664-1)	2,0 %
Additional suppressor	without components
Mechanical data   Material data	
Material gasket	Silicon
Locking material	Stainless steel 1.4305 (V2A)
	Statillous stool 1. 1666 (VEX)
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
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 strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	brown, black, blue, white
Cable identification	569
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	62,7 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,15 mm
	0.752
Conductor crosssection (wire)	0,75 mm²



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Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	9,6 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x 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
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min