

M12 Power male 0° / female 0° T-cod.

PUR 4x1.5 bk UL/CSA+drag ch. 3m

Art.No.: 7000-P7241-P070300

Weight: 0.389 Country of origin: DE

Model designation: MSWBTL0-WAT-TP07_3.0

Advantages of our M12 power connectors:

Our M12 power connectors are ideal for supplying power to your industrial applications and are specially optimised for harsh environments. The T-coded connectors are available in 4-pin versions and offer a current carrying capacity of 12A per pin at 63V DC. They are ideal for supplying power to decentralised devices such as I/O & fieldbus modules, power supply units, fuses, motors and drives.

All Murrelektronik connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability. The contacts are gold-plated, which ensures excellent conductivity. Thanks to the high degree of protection IP67 and the integrated protective conduit connection, they are ideal for demanding industrial environments. They are also vibration-resistant - this is guaranteed by the integrated vibration protection.

The M12 power connectors are designed in accordance with the IEC 61076-2-111 standard and UL-approved in accordance with 2237 (PVVA - E492831). Our connectors are resistant to oils and cooling lubricants. However, resistance to aggressive media should be tested for each specific application.

Different cable lengths are available <u>on request</u>. Are you missing technical information? Please use our technical <u>dictionary</u>, where you will find explanations of coding and other technical details.

Product details:

Power Male straight – female straight M12 – M12, 4-pole T-coded

with cable sleeves

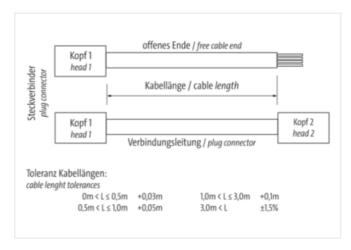
Plastic housings with good resistance against chemicals and oils.

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

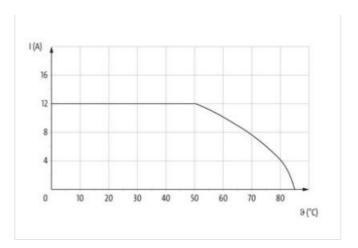


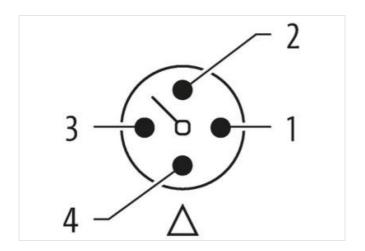


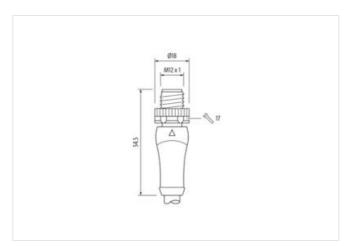


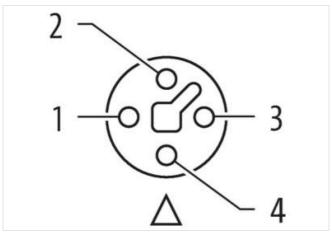
stay connected

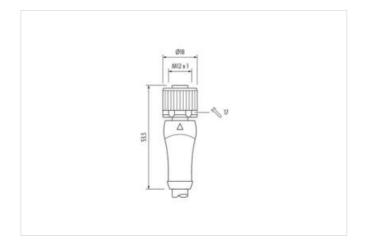












Product may differ from Image









Cable length

3 m

0,6 Nm

Side 1

Tightening torque



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Mounting method	inserted, screwed
Coating contact	gold plated M12P
Family construction form	
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	12 mm
Gender	male
Cable outlet	straight T
Coding Material contact	
No. of poles	Copper alloy 4
Width across flats	SW17
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	11 05, 11 07
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
Gender	female
suitable for corrugated tube (internal Ø)	12 mm
Cable outlet	straight
Coding	T
Material contact	Copper alloy
No. of poles	4
Width across flats	SW17
Degree of protection (EN IEC 60529)	IP65, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879653329
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	63 V
Current operating per contact max.	12 A
Diagnostics	
Status indication LED	no
Status indication LED Installation Connection	no
	no SW17
Installation Connection	
Installation Connection Width across flats	SW17
Installation Connection Width across flats Mating cycles min.	SW17
Installation Connection Width across flats Mating cycles min. Device protection Electrical	SW17 100
Installation Connection Width across flats Mating cycles min. Device protection Electrical Degree of protection (EN IEC 60529)	SW17 100 IP65, IP67



stay connected

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Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A	Diameter of single wires	0,15 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A	Conductor crosssection (wire)	1,5 mm²
Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A	Conductor type (wire)	strand class 6
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A	Nominal voltage AC max.	1000 V
Current load capacity min. wire 14,4 A	Current load capacity (standard)	to DIN VDE 0298-4
	Current load capacity min. wire	
	Electrical resistance line constant wire	13,3 Ω/km @ 20 °C



AC withstand voltage (wire - wire)	10 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	10 kV @ 60 s
Min. operating temperature (static)	-50 °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	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min