

## M12 Power male 90° / female 90° S-cod.

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

Art.No.: 7000-P6271-P060300

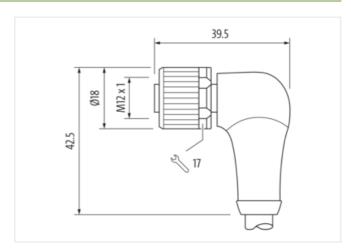
Weight: 0.389 Country of origin: DE

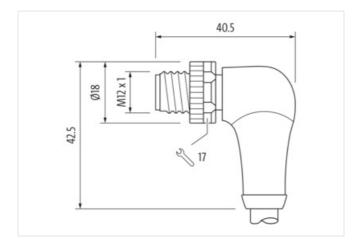
Model designation: MSWDSL0-WCS-TP06\_3.0

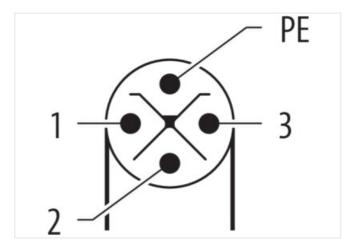
## **Link to Product**

## Illustration



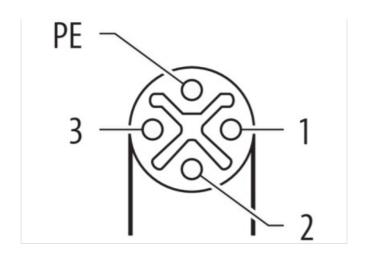


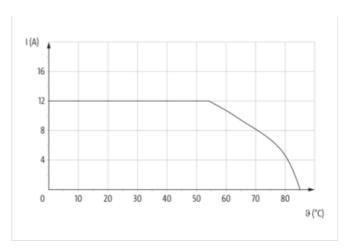


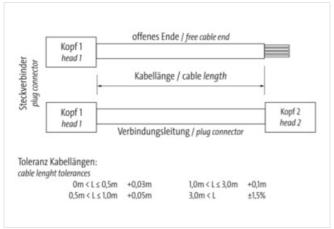




stay connected









Product may differ from Image













Header	
Cable length	3.0 m
Side 1	
Family construction form	M12P
No. of poles	4
Coding	S
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW17
Cable outlet	angled
suitable for corrugated tube (internal Ø)	12 mm
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Family construction form	M12P



Coding   S	No. of poles	4
Gender		
Mounting method		
Thread		
Tightening torque		· · · · · · · · · · · · · · · · · · ·
Width across flats         SW17           Cable outlet         angled           suitable for corrugated tube (internal Ø)         12 mm           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP65, IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-P6271-P060300           GTIN         4048879726245           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-9.1         27060311           ECLASS-9.1         27060311           ECLASS-9.1         27060311           ECLASS-10.0.1         27060311           ECLASS-11.0         27060311           ECLASS-11.0         27060311           ECLASS-12.0         2706031           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS		
Cable outlet         angled           suitable for corrugated tube (internal 0)         12 mm           Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP65, IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-P6271-P060300           GTIN         4048879726245           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         27060327           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-10.0         27060311           ECLASS-11.0         27060311           ECLASS-11.0         27060311           ECLASS-11.0         27060311           ECLASS-11.0         27060311           ECLASS-11.0         27060311           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         E7060355           ETIM-5.0<		
suitable for corrugated tube (internal 0) 12 mm  Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP65, IP67  Commercial data  URL Webshop https://shop.murrelektronik.com/7000-P6271-P060300 GTIN 4048879726245 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060327 ECLASS-9.0 27060327 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.0 2706031 ECLASS-1.0 2706031		
Material contact         Copper alloy           Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP65, IP67           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-P6271-P060300           GTIN         4048879726245           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.1         27279218           ECLASS-8.1         27279218           ECLASS-8.1         27279218           ECLASS-8.1         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27060327           ECLASS-9.0         27060327           ECLASS-9.1         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-11.0         27060311           ECLASS-12.0         27060327           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ECLASS-10.0         E001855 <td></td> <td><u> </u></td>		<u> </u>
Coating contact         gold plated           Degree of protection (EN IEC 60529)         IP65, IP67           Commercial data         Intps://shop.murrelektronik.com/7000-P6271-P060300           GTIN         4048879726245           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-9.1         27060327           ECLASS-9.1         27060311           ECLASS-9.1         27060311           ECLASS-10.0.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060327           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS-15.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060315           ETIM-5.0         EC001855           ETIM-6.0         EC001855           ETIM-8.0         EC081855<		
Degree of protection (EN IEC 60529)   P65, IP67		
Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-P6271-P060300           GTIN         4048879726245           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         27060327           ECLASS-9.1         27060311           ECLASS-9.1         27060311           ECLASS-10.0.1         27060311           ECLASS-11.0         27060311           ECLASS-11.0         27060311           ECLASS-12.0         27060327           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS-14.0         27060311           ETIM-5.0         EC001855           ETIM-6.0         EC001855           ETIM-8.0         EC001855           EAN         4048879726245           Electrical data   Supply           Operating voltage AC max.         600 V           Current operating per contact max.         12 A           Diagnostics		<u> </u>
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ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-8.0 27279218  ECLASS-8.1 27279218  ECLASS-9.0 27060327  ECLASS-9.1 27060311  ECLASS-10.0.1 27060311  ECLASS-10.1 27060311  ECLASS-11.0 27060311  ECLASS-11.1 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-12.0 27060327  ECLASS-13.0 27060311  ECLASS-14.0 27060311  ECLASS-15.0 EC001855  ETIM-8.0 EC001855  ETIM-8.0 EC001855  ETIM-8.0 EC001855  ETIM-8.0 EC001855  EAN 4048879726245  Electrical data   Supply  Operating voltage AC max. 600 V  Current operating per contact max. 12 A		
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ECLASS-10.0.1       27060311         ECLASS-11.0       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060327         ECLASS-13.0       27060311         ECLASS-14.0       27060311         ETIM-5.0       EC001855         ETIM-6.0       EC001855         ETIM-7.0       EC001855         ETIM-8.0       EC001855         EAN       4048879726245         Electrical data   Supply         Operating voltage AC max.       600 V         Current operating per contact max.       12 A		
ECLASS-10.0.1       27060311         ECLASS-11.0       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060327         ECLASS-13.0       27060311         ECLASS-14.0       27060311         ETIM-5.0       EC001855         ETIM-6.0       EC001855         ETIM-7.0       EC001855         ETIM-8.0       EC001855         EAN       4048879726245         Electrical data   Supply         Operating voltage AC max.       600 V         Current operating per contact max.       12 A		
ECLASS-11.0       27060311         ECLASS-12.0       27060327         ECLASS-13.0       27060311         ECLASS-14.0       27060311         ETIM-5.0       EC001855         ETIM-6.0       EC001855         ETIM-7.0       EC001855         ETIM-8.0       EC001855         EAN       4048879726245         Electrical data   Supply         Operating voltage AC max.       600 V         Current operating per contact max.       12 A         Diagnostics		
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ETIM-7.0 EC001855  ETIM-8.0 EC001855  EAN 4048879726245  Electrical data   Supply  Operating voltage AC max. 600 V  Current operating per contact max. 12 A  Diagnostics	ETIM-5.0	EC001855
ETIM-8.0 EC001855  EAN 4048879726245  Electrical data   Supply  Operating voltage AC max. 600 V  Current operating per contact max. 12 A  Diagnostics	ETIM-6.0	EC001855
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Electrical data   Supply  Operating voltage AC max. 600 V  Current operating per contact max. 12 A  Diagnostics	ETIM-8.0	EC001855
Operating voltage AC max. 600 V  Current operating per contact max. 12 A  Diagnostics	EAN	4048879726245
Current operating per contact max. 12 A  Diagnostics	Electrical data   Supply	
Diagnostics	Operating voltage AC max.	600 V
	Current operating per contact max.	12 A
Status indication LED no	Diagnostics	
	Status indication LED	no
Installation   Connection	Installation   Connection	
Width across flats SW17	Width across flats	SW17
Mating cycles min. 100	Mating cycles min.	100
Device protection   Electrical	Device protection   Electrical	
Degree of protection (EN IEC 60529) IP67, IP65		IP67, IP65
Additional condition protection degree inserted, screwed		
Pollution Degree 3	Pollution Degree	
Rated surge voltage 6 kV		6 kV
Material group (IEC 60664-1)	Material group (IEC 60664-1)	
Mechanical data   Material data	Mechanical data   Material data	
Material housing PUR	Material housing	PUR

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: 2025-07-12



Material screw connection Brass Coating of fitting nickel plated Material gasket FKM Mechanical data | Mounting data Mounting method inserted, screwed Environmental characteristics | Climatic Operating temperature min. -30 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius 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. Conformity Product standard IEC 61076-2-111 Installation | Cable Cable identification P06 Cable Type 3 Function cable Power Amount stranding 1 Stranding Wires Wire arrangement green-yellow, blue 3, white 2, brown 1 Cable weigth 114.4 Material wire insulation PP Amount wires 4 Outer diameter insulation 2.3 mm Outer diameter tolerance core insulation ± 0.1 mm Shore hardness wire insulation 60 Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, halogen-free, lead-free Printing color of wire insulation white (isolation blue), white (isolation brown), black (white isolation) Amount strands (wire) 84 Diameter of single wires 0.15 mm Conductor crosssection (wire) 1.5 mm<sup>2</sup> Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Outer-diameter (jacket) 7.2 mm Tolerance outer diameter (sheath) ±5% Material jacket PUR Shore hardness jacket 90 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, halogen-free, lead-free Material property (jacket) matte, good machinability, abrasion-resistant, low adhesion Electrical resistance line constant wire 13.3 Ω/km @ 20 °C Nominal voltage AC max. 1,000 V 10 kV @ 60 s AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -10 kV @ 60 s jacket) to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 14.4 A Min. operating temperature (static) -50 °C

The information in this Product-PDF has been compiled with the utmost care.

Max. operating temperature (fixed)

Bending radius (fixed)

Operating temperature min. (dynamic)

Operating temperature max. (dynamic)

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-07-12

5 × Outer diameter

-25 °C

80 °C / 90 °C @ 10000 h Operation

80 °C / 90 °C @ 10000 h Operation



Bending radius (dynamic)	10 × 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
Acceleration (C-track)	5 m/s² @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min