

## M12 male 0° / M12 female 0° A-cod.

PVC 4x0.34 bk UL/CSA 10m

Art.No.: 7000-40021-6141000

Weight: 0.42

Country of origin: US

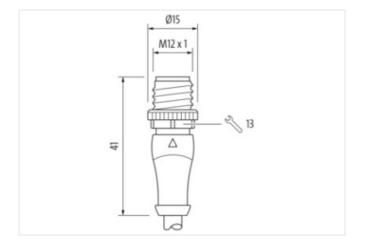
Model designation: MSBL0-A-T614\_10.0

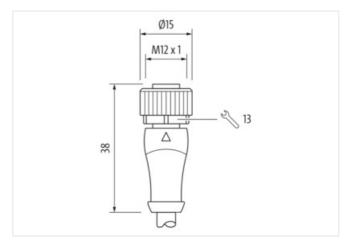
## **Link to Product**

## Illustration



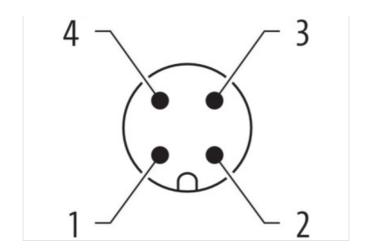


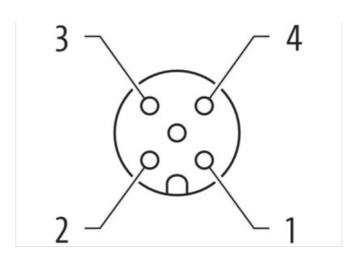


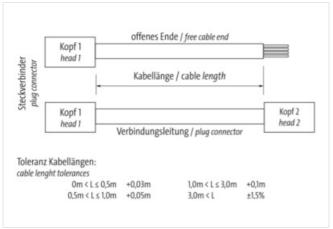




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Product may differ from Image















| Header                                    |                   |
|---|-------------------|
| Cable length                              | 10.0 m            |
| Side 1                                    |                   |
| Family construction form                  | M12               |
| No. of poles                              | 4                 |
| Coding                                    | A                 |
| Gender                                    | male              |
| Mounting method                           | inserted, screwed |
| Thread                                    | M12 x 1           |
| Tightening torque                         | 0.6 Nm            |
| Width across flats                        | SW13              |
| Cable outlet                              | straight          |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Material                                  | PUR               |
| Degree of protection (EN IEC 60529)       | IP67, IP66K, IP65 |
| Side 2                                    |                   |
| Family construction form                  | M12               |
| No. of poles                              | 4                 |



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| Coding                                       | A  |
|--|--|
| Gender                                       | female   |
| Mounting method                              | inserted, screwed                                  |
| Thread                                       | M12 x 1  |
| Tightening torque                            | 0.6 Nm   |
| Width across flats                           | SW13   |
| Cable outlet                                 | straight   |
| suitable for corrugated tube (internal Ø)    | 10 mm  |
| Material                                     | PUR  |
| Degree of protection (EN IEC 60529)          | IP67, IP66K, IP65                                  |
| Commercial data                              |  |
| URL Webshop                                  | https://shop.murrelektronik.com/7000-40021-6141000 |
| GTIN   | 4048879183772                                      |
| 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                                   | 27060311   |
| ECLASS-9.1                                   | 27060311   |
| ECLASS-10.0.1                                | 27060311   |
| ECLASS-10.1                                  | 27060311   |
| ECLASS-11.0                                  | 27060311   |
| ECLASS-11.1                                  | 27060311   |
| ECLASS-12.0                                  | 27060311   |
| 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  | 4048879183772                                      |
| Electrical data   Supply                     |  |
| Operating voltage AC max.                    | 250 V  |
| Operating voltage DC max.                    | 250 V  |
| Current operating per contact max.           | 4 A  |
| ·  |  |
| Diagnostics Status indication LED            |  |
| Status indication LED                        | no   |
| Installation   Connection                    | M12 x 1  |
| Mounting set  Device protection   Electrical | IVITZ A T  |
|  | incorted coround                                   |
| Additional condition protection degree       | inserted, screwed 3                                |
| Pollution Degree  Rated surge voltage        | 2.5 kV   |
| Material group (IEC 60664-1)                 | 2.5 KV   |
|  | <u> </u>   |
| Mechanical data   Material data              |  |
| Color contact carrier                        | green  |
| Material screw connection                    | Zinc die-casting                                   |
| Coating of fitting                           | nickel plated                                      |
| Locking material                             | Zinc die-casting                                   |
|  |  |



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| Coating locking  | Nickeled  |
|--|---|
| Mechanical data   Mounting data                                    |   |
| Mounting method  | inserted, screwed, Shaking protection   |
| Environmental characteristics   Climatic                           |   |
|  | -30 °C  |
| Operating temperature min.   | 85 °C   |
| Operating temperature max.  Additional condition temperature range | depending on cable quality  |
|  | 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.   |
| Conformity   |   |
| Product standard   | DIN EN 61076-2-101 (M12)  |
| Installation   Cable   |   |
| Cable identification   | 614   |
| Cable Type   | 1   |
| Amount stranding   | 1   |
| Stranding  | 4 wires stranded  |
| Wire arrangement   | brown, black, blue, white   |
| Cable weigth   | 40.7  |
| Material wire insulation   | PVC   |
| Amount wires   | 4   |
| Outer diameter insulation  | 1.25 mm   |
| Outer diameter tolerance core insulation                           | ± 0.05 mm   |
| Shore hardness wire insulation                                     | 45 ± 5 Shore D  |
| Material properties wire insulation                                | good machinability  |
| Ingredient freeness wire insulation                                | CFC-free, cadmium-free, silicone-free, lead-free  |
| Amount strands (wire)  | 19  |
| Diameter of single wires   | 0.15 mm   |
| Conductor crosssection (wire)                                      | 0.34 mm <sup>2</sup>  |
| Material conductor wire  | Stranded copper wire, bare  |
| Conductor type (wire)  | Strand class 5  |
| Outer-diameter (jacket)  | 5 mm  |
| Tolerance outer diameter (sheath)                                  | ± 5 %   |
| Material jacket  | PVC   |
| Shore hardness jacket  | 85 ± 5 Shore A  |
| Freedom from ingredients (jacket)                                  | CFC-free, cadmium-free, silicone-free, lead-free  |
| Material property (jacket)   | good machinability  |
| Conductor resistance (wire)  | 57 Ω/km @ 20 °C   |
| Nominal voltage AC max.  | 300 V   |
| Withstand voltage (wire - wire)                                    | 2 kV @ 60 s   |
| Withstand voltage (wire - jacket)                                  | 2 kV @ 60 s   |
| Current load capacity (standard)                                   | to DIN VDE 0298-4   |
| Current load capacity min. wire                                    | 4.8 A   |
| Min. operating temperature (static)                                | -30 °C  |
| Max. operating temperature (fixed)                                 | 80 °C   |
| Operating temperature min. (dynamic)                               | -5 °C   |
| Operating temperature max. (dynamic)                               | 80 °C   |
|  |   |
| Flame resistance   | UL 1581 § 1080, CSA FT1, IEC 60332-1-2  |
| Flame resistance Oil resistance                                    | UL 1581 § 1080, CSA FT1, IEC 60332-1-2<br>good  |
|  |   |
| Oil resistance   | good  |

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: 2025-08-04

## Product-PDF for Article 7000-40021-6141000



Bending radius (dynamic)

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