

Push Pull Power / Push Pull Power AIDA

PUR 5x2.5 gy UL/CSA+drag ch. 20m

Art.No.: 7000-99641-9622000

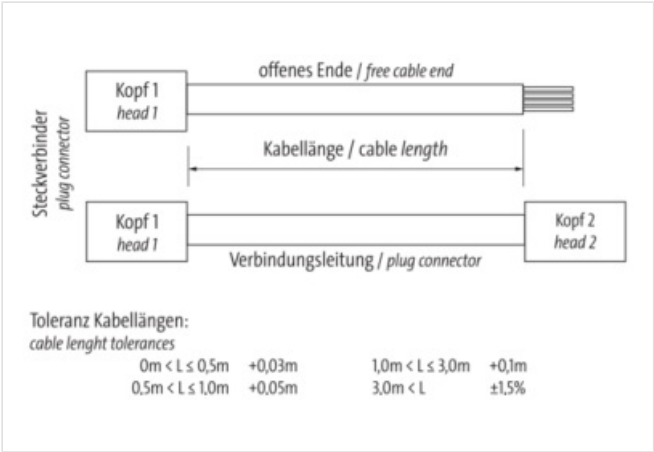
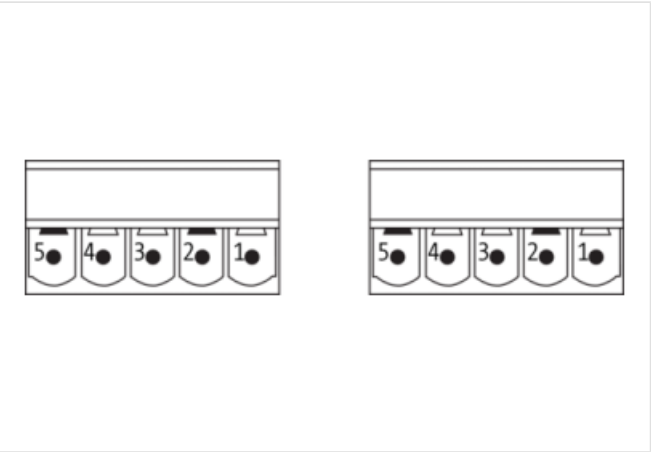
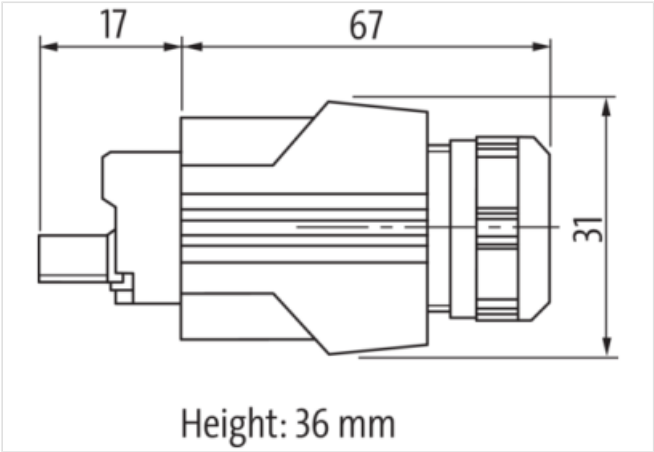
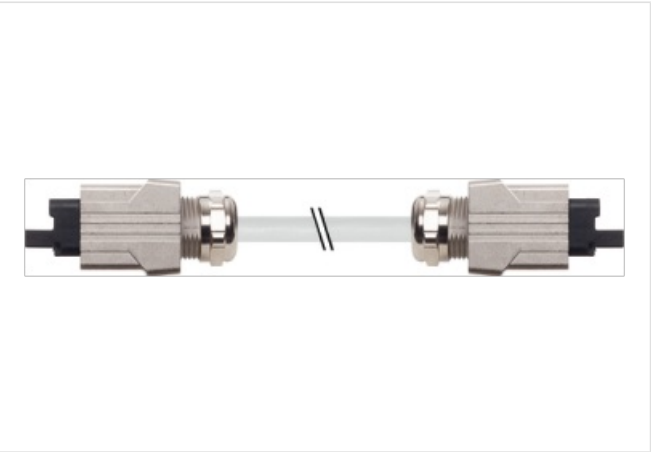
Weight: 4

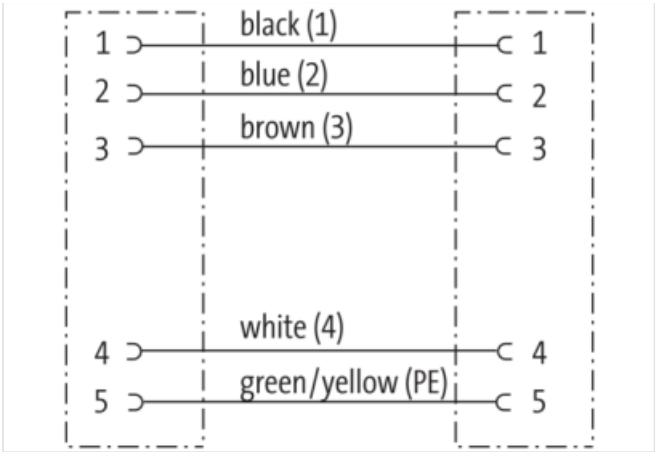
Country of origin: CZ

Model designation: MSWPAL0-WPA-U962\_20.0

Link to Product

Illustration





Product may differ from Image



| Side 1                              |                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Family construction form            | Push Pull Power                                                                                                     |
| No. of poles                        | 5                                                                                                                   |
| Gender                              | female                                                                                                              |
| Cable outlet                        | straight                                                                                                            |
| Degree of protection (EN IEC 60529) | IP67, IP65                                                                                                          |
| Side 2                              |                                                                                                                     |
| Family construction form            | Push Pull Power                                                                                                     |
| No. of poles                        | 5                                                                                                                   |
| Gender                              | female                                                                                                              |
| Cable outlet                        | straight                                                                                                            |
| Degree of protection (EN IEC 60529) | IP67, IP65                                                                                                          |
| Commercial data                     |                                                                                                                     |
| URL Webshop                         | <a href="https://shop.murrelektronik.com/7000-99641-9622000">https://shop.murrelektronik.com/7000-99641-9622000</a> |
| GTIN                                | 4048879797122                                                                                                       |
| 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-10.0.1                       | 27060311                                                                                                            |
| ECLASS-10.1                         | 27060311                                                                                                            |
| ECLASS-11.0                         | 27060311                                                                                                            |
| ECLASS-11.1                         | 27060311                                                                                                            |
| ECLASS-12.0                         | 27060327                                                                                                            |
| ECLASS-13.0                         | 27060311                                                                                                            |
| ECLASS-14.0                         | 27060311                                                                                                            |
| ETIM-5.0                            | EC002599                                                                                                            |
| ETIM-6.0                            | EC002599                                                                                                            |
| ETIM-7.0                            | EC002599                                                                                                            |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ETIM-8.0                                        | EC002599                                                                                                                                              |
| EAN                                             | 4048879797122                                                                                                                                         |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                       |
| Operating voltage AC max.                       | 24 V                                                                                                                                                  |
| Operating voltage DC max.                       | 24 V                                                                                                                                                  |
| Current operating per contact max.              | 16 A                                                                                                                                                  |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP67, IP65                                                                                                                                            |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Rated surge voltage signal contacts             | 4 kV                                                                                                                                                  |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Material housing                                | Zinc die-casting                                                                                                                                      |
| Coating housing                                 | nickel plated                                                                                                                                         |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Looking techniques                              | Push Pull                                                                                                                                             |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -40 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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.                                                   |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| Cable Type                                      | 3                                                                                                                                                     |
| Function cable                                  | Power                                                                                                                                                 |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | Wires                                                                                                                                                 |
| Filler                                          | yes                                                                                                                                                   |
| Wire arrangement                                | green-yellow, blue 2, black 1, white 4, brown 3                                                                                                       |
| Cable weight                                    | 190.3 g/m                                                                                                                                             |
| Material wire insulation                        | PP                                                                                                                                                    |
| Amount wires                                    | 5                                                                                                                                                     |
| Outer diameter insulation                       | 2.85 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), white (isolation black), black (white isolation)                                                     |
| Amount strands (wire)                           | 140                                                                                                                                                   |
| Diameter of single wires                        | 0.15 mm                                                                                                                                               |
| Conductor crosssection (wire)                   | 2.5 mm <sup>2</sup>                                                                                                                                   |
| Material conductor wire                         | Stranded copper wire, bare                                                                                                                            |
| Conductor type (wire)                           | strand class 6                                                                                                                                        |
| Outer-diameter (jacket)                         | 9.5 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                                                                                           |
| Conductor resistance (wire)                     | 7.98 Ω/km @ 20 °C                                                                                                                                     |
| Nominal voltage AC max.                         | 1,000 V                                                                                                                                               |

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Withstand voltage (wire - wire)      | 10 kV @ 60 s                      |
| Withstand voltage (wire - jacket)    | 10 kV @ 60 s                      |
| Current load capacity (standard)     | to DIN VDE 0298-4                 |
| Current load capacity min. wire      | 19.5 A                            |
| 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 |
| Bending radius (fixed)               | 5 × Outer diameter                |
| 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                     |