

datasheet for MLS WG 100/2,5  
article number: 934083100



| product description:                                                     | order number: 934 083-100                                                                                                                                                                                                                                                                                                                                                      |
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| <b>description:</b>                                                      | Safety measuring lead, at either end 4 mm diameter safety connector with straight/rectangular outlet and integrated kink protection. Nickel-plated copper beryllium contact spring. Highly flexible, double insulated stranded lead, shatter-proof grip sleeve and lead. Color indicator for the recognition of damage to the insulation. In accordance to IEC 61010 standard. |
| <b>typ:</b>                                                              | MLS WG 100/2.5 schwarz / black                                                                                                                                                                                                                                                                                                                                                 |
| <b>system:</b>                                                           | 4mm safety system                                                                                                                                                                                                                                                                                                                                                              |
| <b>order number:</b>                                                     | 934 083-100                                                                                                                                                                                                                                                                                                                                                                    |
| <b>color</b>                                                             | ●                                                                                                                                                                                                                                                                                                                                                                              |
| <b>other color versions:</b>                                             | ●●●●●●                                                                                                                                                                                                                                                                                                                                                                         |
| technical data                                                           |                                                                                                                                                                                                                                                                                                                                                                                |
| <b>measurement category acc. to IEC 61010:</b>                           | CAT III                                                                                                                                                                                                                                                                                                                                                                        |
| <b>pin dimensions</b>                                                    | 4 mm                                                                                                                                                                                                                                                                                                                                                                           |
| <b>type of contact:</b>                                                  | pin (spring loaded)                                                                                                                                                                                                                                                                                                                                                            |
| <b>cable type:</b>                                                       | LEH-XY                                                                                                                                                                                                                                                                                                                                                                         |
| <b>cable specification:</b>                                              | highly flexible lead                                                                                                                                                                                                                                                                                                                                                           |
| <b>wire stranding:</b>                                                   | 320 x 0.10 mm                                                                                                                                                                                                                                                                                                                                                                  |
| <b>rated voltage:</b>                                                    | AC/DC 1000 V                                                                                                                                                                                                                                                                                                                                                                   |
| <b>rated current:</b><br><a href="#">Please consider derating curve!</a> | 32 A                                                                                                                                                                                                                                                                                                                                                                           |
| <b>contact resistance:</b>                                               | 12 mOhm                                                                                                                                                                                                                                                                                                                                                                        |
| <b>cable length:</b>                                                     | 100 cm                                                                                                                                                                                                                                                                                                                                                                         |
| <b>conductor size:</b>                                                   | 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                            |
| <b>cable material:</b>                                                   | PVC                                                                                                                                                                                                                                                                                                                                                                            |
| <b>cable color:</b>                                                      | black                                                                                                                                                                                                                                                                                                                                                                          |
| material                                                                 |                                                                                                                                                                                                                                                                                                                                                                                |
| <b>contact material:</b>                                                 | contact spring: copper - beryllium                                                                                                                                                                                                                                                                                                                                             |
| <b>contact surface material:</b>                                         | nickel                                                                                                                                                                                                                                                                                                                                                                         |
| <b>housing material:</b>                                                 | PA                                                                                                                                                                                                                                                                                                                                                                             |
| environmental conditions:                                                |                                                                                                                                                                                                                                                                                                                                                                                |
| <b>temperature range:</b>                                                | -15 °C to +70 °C                                                                                                                                                                                                                                                                                                                                                               |

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| inflammable class:        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| housing (basic material): | UL 94 V - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| drawing                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                           | <p>Technical drawing of a mechanical component, likely a connector or plug. The drawing shows a side view with the following dimensions:</p> <ul style="list-style-type: none"> <li>Top diameters: <math>\varnothing 7,8</math> and <math>\varnothing 4</math></li> <li>Height of the main body: 46,3</li> <li>Length of the main body: 54,3</li> <li>Length of the protruding pin: L</li> <li>Pin diameter: <math>\varnothing 4</math></li> <li>Bottom diameters: <math>\varnothing 4</math> and <math>\varnothing 7,8</math></li> </ul> |