



The image has the only illustrative purpose and it is purely indicative, it may not fully reflect the product configuration.

## Micro Plug Connector 2p Overmolded L2 m IP68

Code: **THC.381.A2A.L2**



Potential improvements of the product and modifications of the technical data contained in this document can be made without notice.

### GENERAL INFORMATION

|                                |   |
|--------------------------------|---|
| <b>Type of installation</b>    | Plug and Socket connector   |
| <b>Product configuration</b>   | Plug connector  |
| <b>Locking mechanism</b>       | Push Pull   |
| <b>Colour</b>                  | Black (Plastic components) - Techno green / Black (Rubber components) |
| <b>Overall dimensions (mm)</b> | Ø 14.0  |

## ELECTRIC DATA

|                             |                     |
|-----------------------------|---------------------|
| No. connected cables        | 1                   |
| Circuit wiring diagram      | Power/Signal        |
| Current rating (AC/DC)      | 10A AC/DC           |
| Voltage rating (AC/DC)      | 500V AC (3V-60V DC) |
| Double insulated (Class II) | 250V                |
| Impulse withstand voltage   | 4kV                 |
| No. poles                   | 2                   |
| Marking                     | 1-2                 |

## ENVIRONMENT CONDITIONS

|   |                                    |
|---|------------------------------------|
| IP rating   | IP68                               |
| Salt Mist   | Salt mist test : EN60068-2-11:2000 |
| Mating cycles   | 100 cycles                         |
| Ambient temperature MIN/MAX<br>(According to EN61984/EN60998) | -40°C/+100°C                       |
| Operating temperature MAX                                     | +60°C                              |
| Proof Tracking Index (PTI)                                    | PTI 175                            |

## CABLE INFORMATION

|   |            |
|---|------------|
| Type of cable assembly                                    | Overmolded |
| Type of cable   | H05RN-F    |
| Colour of external cable sheath                           | Black      |
| Configuration type on cable end 1                         | Plug       |
| Configuration type on cable end 2                         | Free end   |
| Cable length (m)  | 2.00       |
| Multi-stranded conductor cross-section (mm <sup>2</sup> ) | 0.75       |
| Cable sheath stripping length (mm)                        | 20.00      |
| Conductor stripping length (mm)                           | 10.00      |
| Cable shielding   | No         |

## MATERIALS

|                            |                              |
|----------------------------|------------------------------|
| Connector                  | PA66 GF UL94 V0              |
| O Rings                    | TPE                          |
| Gaskets                    | TPE                          |
| Impulse withstand category | II                           |
| Pollution degree           | 2                            |
| Material property          | Halogen Free - Silicone Free |
| Contacts                   | Brass                        |

## COMMERCIAL DATA

|                |                     |
|----------------|---------------------|
| Packing method | Bulk packed ( OEM ) |
|----------------|---------------------|

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|                   |     |
|-------------------|-----|
| Type of packaging | Box |
|-------------------|-----|

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|                  |     |
|------------------|-----|
| Pieces/box (pcs) | 200 |
|------------------|-----|

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|                                |                 |
|--------------------------------|-----------------|
| Overall dimensions of box (mm) | 400 x 400 x 230 |
|--------------------------------|-----------------|

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|                   |       |
|-------------------|-------|
| Country of origin | ITALY |
|-------------------|-------|

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## APPROVALS

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## CAD FILES

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## MARKETING DOCUMENTS

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