



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

## Micro Socket Connector 3p Screw L-N-PE D7-8 IP66/IP68/IP69

Code: **THB.381.B3E**



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>                       | Socket connector  |
| <b>Locking mechanism</b>                           | Push Pull   |
| <b>Colour</b>                                      | Black (Plastic components) - Techno green (Rubber components) |
| <b>Overall dimensions (mm)</b>                     | Ø 14.0 x 53.0   |
| <b>Overall dimensions when mated together (mm)</b> | Ø 14.0 x 90.0   |

## ELECTRIC DATA

|                                       |              |
|---------------------------------------|--------------|
| No. connected cables                  | 1            |
| Circuit wiring diagram                | Power/Signal |
| Current rating (AC/DC)                | 10A          |
| Voltage rating (AC/DC)                | 500V AC      |
| Double insulated (Class II)           | 250V         |
| Impulse withstand voltage             | 4kV          |
| No. poles                             | 3            |
| Marking                               | L-N-E        |
| Terminations                          | Screw        |
| Terminations Thread/Tightening torque | M2 - 0.1 Nm  |

## CONNECTION DATA

|   |               |
|---|---------------|
| Multi-stranded conductor cross-section without ferrule MIN (mm <sup>2</sup> ) | 0.25          |
| Multi-stranded conductor cross-section without ferrule MAX (mm <sup>2</sup> ) | 1.00          |
| Conductor stripping length (mm)   | 10.00         |
| Cable sheath stripping length (mm)  | 20.00         |
| Recommened types of cable   | H05xxx/H07xxx |
| Cable diameter MIN (mm)   | 7.00          |
| Cable diameter MAX (mm)   | 8.00          |
| Tightening torque of nut-cable gland  | 1.5 Nm        |

## ENVIRONMENT CONDITIONS

|  |   |
|--|---|
| IP rating  | IP66, IP68, IP69<br><i>*IP68 (30m/1h)</i> |
| Salt Mist  | Salt mist test : EN60068-2-11:2000        |
| Mating cycles  | 100 cycles                                |
| Ambient temperature MIN/MAX (According to EN61984/EN60998) | -40°C/+125°C                              |
| Operating temperature MAX                                  | +60°C                                     |
| Proof Tracking Index (PTI)                                 | PTI 175                                   |

## MATERIALS

|                            |                              |
|----------------------------|------------------------------|
| Connector                  | PA66 GF UL94 V0              |
| Cable gland                | PA66 GF UL94 V2              |
| O Rings                    | TPE                          |
| Gaskets                    | TPE                          |
| Impulse withstand category | II                           |
| Pollution degree           | 2                            |
| Material property          | Halogen Free - Silicone Free |
| Contacts                   | Brass                        |
| Contact screws             | Steel                        |

## PRODUCT COMPLIANCES

IEC Approvals

EN 61984:2009

## COMMERCIAL DATA

|                                |                     |
|--------------------------------|---------------------|
| EAN                            | 8057457095921       |
| Packing method                 | Bulk packed ( OEM ) |
| Type of packaging              | Box                 |
| Pieces/box (pcs)               | 200                 |
| Weight per Piece (gr)          | 7.80                |
| Overall dimensions of box (mm) | 200 x 200 x 120     |
| Custom tariff number           | 85369010            |
| Country of origin              | ITALY               |

## APPROVALS

Please login to access this data.


## TECHNICAL DOCUMENTATIONS

### Technical documentations:

| File  | Type | Size      |
|---|------|-----------|
|  <a href="#">606002032_TH381.pdf</a> | PDF  | 571.88 KB |

## DRAWINGS

### Drawings:

| File  | Type | Size      |
|---|------|-----------|
|  <a href="#">THB.381.B3E.pdf</a> | PDF  | 390.20 KB |

## CAD FILES

Please login to access this data.

## MARKETING DOCUMENTS

Please login to access this data.

