



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 D7.5-9 IP66/IP68

Code: **THB.381.B3EU**



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

### GENERAL INFORMATION

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| Type of installation                        | Plug and Socket connector                                     |
| Product configuration                       | Socket connector                                              |
| Locking mechanism                           | Push Pull                                                     |
| Colour                                      | Black (Plastic components) - Techno green (Rubber components) |
| Overall dimensions (mm)                     | Ø 18.0 x 57.0                                                 |
| Overall dimensions when mated together (mm) | Ø 18.0 x 97.0                                                 |

## 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                          | Hex socket 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)                                                       | 7.50          |
| Cable diameter MAX (mm)                                                       | 9.00          |
| Tightening torque of cable gland-connector                                    | 1 Nm          |
| Tightening torque of nut-cable gland                                          | 1.5 Nm        |

## ENVIRONMENT CONDITIONS

|                                                                    |                                    |
|--------------------------------------------------------------------|------------------------------------|
| IP rating                                                          | IP66, IP68                         |
|                                                                    | <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/EN62444) | -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

|                                |                     |
|--------------------------------|---------------------|
| Packing method                 | Bulk packed ( OEM ) |
| Type of packaging              | Box                 |
| Pieces/box (pcs)               | 200                 |
| Weight per Piece (gr)          | 7.80                |
| Overall dimensions of box (mm) | 300 x 200 x 160     |
| Custom tariff number           | 85369010            |
| Country of origin              | ITALY               |

## APPROVALS

Please login to access this data.

## TECHNICAL DOCUMENTATIONS

### Technical documentations:

| File                                                                                                                      | Type | Size    |
|---------------------------------------------------------------------------------------------------------------------------|------|---------|
|  606002032_Install sheet_TH381_web.pdf | PDF  | 1.13 MB |

## DRAWINGS

### Drawings:

| File                                                                                                 | Type | Size      |
|------------------------------------------------------------------------------------------------------|------|-----------|
|  THB.381.B3EU.pdf | PDF  | 368.73 KB |

## CAD FILES

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## MARKETING DOCUMENTS

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