



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

## Mini Plug Connector 4p Screwless D7-13.0 IP66/IP68/IP69

Code: **THS.389.A4E**



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/Brown/White (Plastic components) - Techno green (Rubber components) |
| <b>Overall dimensions (mm)</b>                     | Ø 23.0 x 75.0   |
| <b>Overall dimensions when mated together (mm)</b> | Ø 23.0 x 130.0  |

## ELECTRIC DATA

|                             |              |
|-----------------------------|--------------|
| No. connected cables        | 1            |
| Circuit wiring diagram      | Power/Signal |
| Current rating (AC/DC)      | 17.5A AC/DC  |
| Current rating (AC/DC) - UL | 10A          |
| Voltage rating (AC/DC)      | 500V AC      |
| Voltage rating (AC/DC) - UL | 600V AC/DC   |
| Impulse withstand voltage   | 2.5kV        |
| No. poles                   | 4            |
| Marking                     | 2-3/L-N-E    |
| Terminations                | Screwless    |

## 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> ) | 1.50                |
| Solid conductor cross-section MIN (mm <sup>2</sup> )                          | 0.25                |
| Solid conductor cross-section MAX (mm <sup>2</sup> )                          | 1.50                |
| Conductor stripping length (mm)   | 12.00               |
| Cable sheath stripping length (mm)  | 25.00               |
| Reccomended types of cable  | H05xxx/H07xxx/AWG16 |
| Cable diameter MIN (mm)   | 7.00                |
| Cable diameter MAX (mm)   | 13.00               |
| Tightening torque of nut-cable gland  | 2.5 Nm              |

## ENVIRONMENT CONDITIONS

|  |  |
|--|--|
| IP rating  | IP66, IP68, IP69<br><i>*IP68 (5m/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 UL94 V2                 |
| O Rings                    | TPE                          |
| Gaskets                    | TPE                          |
| Impulse withstand category | II                           |
| Pollution degree           | 2                            |
| Material property          | Halogen Free - Silicone Free |
| Spring terminations        | Brass/Steel                  |

## PRODUCT COMPLIANCES

|                  |                       |
|------------------|-----------------------|
| IEC Approvals    | EN 61984:2009         |
| UL/CSA Approvals | UL2238/C22.2 No.182.3 |

## COMMERCIAL DATA



|                           |                     |
|---------------------------|---------------------|
| EAN                       | 8057457098144       |
| Packing method            | Bulk packed ( OEM ) |
| Type of packaging         | Box                 |
| Pieces/box (pcs)          | 200                 |
| Weight per Piece (gr)     | 23.34               |
| Corresponding code in KIT | THS.389.A4E.R       |
| Custom tariff number      | 85369010            |
| Country of origin         | ITALY               |

## APPROVALS

Please login to access this data.


## TECHNICAL DOCUMENTATIONS

### Technical documentations:

| File   | Type | Size      |
|--|------|-----------|
|  <a href="#">606002039_install_sheetTH389_molla_lineare.pdf</a> | PDF  | 899.55 KB |
|  <a href="#">UL listed coding list.pdf</a>                      | PDF  | 119.89 KB |

## DRAWINGS

### Drawings:

| File  | Type | Size      |
|---|------|-----------|
|  THS_389_A4E.pdf | PDF  | 299.54 KB |

## CAD FILES

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## MARKETING DOCUMENTS

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