



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

Mini Plug Connector 5p Screwless D7-13.0 IP66/IP68/IP69

Code: **THS.389.A5E**



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 | Plug connector |
| Locking mechanism | Push Pull |
| Colour | Black/Brown/White (Plastic components) - Techno green (Rubber components) |
| Overall dimensions (mm) | Ø 23.0 x 75.0 |
| Overall dimensions when mated together (mm) | 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 | 5 |
| Marking | 1-2-3/L-N-E |
| Terminations | Screwless |

CONNECTION DATA

| | |
|---|---------------------|
| Multi-stranded conductor cross-section without ferrule MIN (mm ²) | 0.25 |
| Multi-stranded conductor cross-section without ferrule MAX (mm ²) | 1.50 |
| Solid conductor cross-section MIN (mm ²) | 0.25 |
| Solid conductor cross-section MAX (mm ²) | 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 <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 | 8057457098182 |
| Packing method | Bulk packed (OEM) |
| Type of packaging | Box |
| Pieces/box (pcs) | 200 |
| Weight per Piece (gr) | 24.42 |
| Corresponding code in KIT | THS.389.A5E.R |
| Custom tariff number | 85369010 |
| Country of origin | ITALY |

APPROVALS

Please login to access this data.


TECHNICAL DOCUMENTATIONS

Technical documentations:

| File | Type | Size |
|--|------|-----------|
|  606002039_install_sheetTH389_molla_lineare.pdf | PDF | 899.55 KB |
|  UL listed coding list.pdf | PDF | 119.89 KB |

DRAWINGS

Drawings:

| File | Type | Size |
|---|------|-----------|
|  THS_389_A5E.pdf | PDF | 302.55 KB |

CAD FILES

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MARKETING DOCUMENTS

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