



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

## KIT Plug & Socket connector panel-mounted 8p Screw M28 IP68

Code: **THB.406.A8A.R**



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 and Socket connector<br><i>*Fixing nut included in the kit</i> |
| Locking mechanism     | Bayonet Lock  |
| Colour                | Black (Plastic components) - Techno green (Rubber components)       |
| Type of pannel        | Conductive panel  |
| Panel nut thread      | M28   |
| Panel thickness (mm)  | 10.00   |
| Connector shape       | Straight  |

## ELECTRIC DATA

|                                       |                  |
|---------------------------------------|------------------|
| No. connected cables                  | 1                |
| Circuit wiring diagram                | Power/Signal     |
| Current rating (AC/DC)                | 10A AC/DC        |
| Voltage rating (AC/DC)                | 400V AC (60V DC) |
| Impulse withstand voltage             | 2.5kV            |
| No. poles                             | 8                |
| Marking                               | 1-2-3-4-5-6-7-E  |
| Terminations                          | Screw            |
| Terminations Thread/Tightening torque | M2 - 0.2 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          |
| Solid conductor cross-section MIN (mm <sup>2</sup> )                          | 0.25          |
| Solid conductor cross-section MAX (mm <sup>2</sup> )                          | 1.00          |
| Conductor stripping length (mm)   | 6.00          |
| Reccomended types of cable  | H05xxx/H07xxx |
| Cable diameter MIN (mm)   | 6.00          |
| Cable diameter MAX (mm)   | 13.50         |
| Tightening torque of panel nut  | 2.0 Nm        |


## ENVIRONMENT CONDITIONS

|   |                                    |
|---|------------------------------------|
| IP rating   | IP68                               |
|   | <i>*IP68 (10m/1h)</i>              |
| IK rating   | IK08                               |
| Salt Mist   | Salt mist test : EN60068-2-11:2000 |
| Mating cycles   | 1000 cycles                        |
| Ambient temperature MIN/MAX<br>(According to EN61984/EN60998) | -40°C/+125°C                       |
| Operating temperature MAX                                     | +60°C                              |
| Proof Tracking Index (PTI)                                    | PTI 175                            |

## MATERIALS

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

## COMMERCIAL DATA


|                                |   |
|--------------------------------|---|
| EAN                            | 8057457097796   |
| Packing method                 | Individually packed ( KIT )   |
| Type of packaging              | Blister   |
| Kit contents                   |  <a href="#">THB.406.A8A.R.pdf</a> |
| Pieces/kit (pcs)               | 1   |
| Pieces/box (pcs)               | 50  |
| Overall dimensions of box (mm) | 400 x 400 x 230   |
| Custom tariff number           | 85369010  |
| Country of origin              | ITALY   |

## APPROVALS

Please login to access this data.

## TECHNICAL DOCUMENTATIONS

### Technical documentations:

| File  | Type | Size    |
|---|------|---------|
|  <a href="#">606001602_IST_TH406.pdf</a> | PDF  | 1.16 MB |

## MARKETING DOCUMENTS

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