



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

## KIT Junction box 4 ways 8p Screw D6-13.5 IP66/IP68

Code: **THR.209.S8L**



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>    | Joint connector (re-usable/re-accessible)                        |
| <b>Product configuration</b>   | Junction connector<br><i>*Terminal block included in the kit</i> |
| <b>Colour</b>                  | Black (Plastic components) - Techno green (Rubber components)    |
| <b>Overall dimensions (mm)</b> | 121.0 x 64.5 x 28.0  |
| <b>Inner dimensions (mm)</b>   | 43.0 x 53.5 x 24.0   |

## ELECTRIC DATA

|                                       |              |
|---------------------------------------|--------------|
| No. connected cables                  | 4            |
| Circuit wiring diagram                | Power/Signal |
| Current rating (AC/DC)                | 16A          |
| Voltage rating (AC/DC)                | 450V AC      |
| No. poles                             | 8            |
| Terminations                          | Screw        |
| Terminations Thread/Tightening torque | M3 - 0.8 Nm  |

## CONNECTION DATA

Multi-stranded conductor cross-section 0.50  
without ferrule MIN (mm<sup>2</sup>)

Multi-stranded conductor cross-section 1.50  
without ferrule MAX (mm<sup>2</sup>)

|  |               |
|--|---------------|
| Solid conductor cross-section MIN (mm <sup>2</sup> ) | 0.50          |
| Solid conductor cross-section MAX (mm <sup>2</sup> ) | 1.50          |
| Conductor stripping length (mm)                      | 8.00          |
| Main cable sheath stripping length (mm)              | 30.00         |
| Branch cable sheath stripping length (mm)            | 30.00         |
| Recommened types of cable                            | H05xxx/H07xxx |
| Cable diameter MIN (mm)                              | 6.00          |
| Cable diameter MAX (mm)                              | 13.50         |
| Tightening torque of nut-cable gland                 | 2.5 Nm        |
| Tightening torque of Lid/Fixing screws               | 1.0 Nm        |

## ENVIRONMENT CONDITIONS

|           |                                    |
|-----------|------------------------------------|
| IP rating | IP66, IP68<br><i>*IP68 (5m/3h)</i> |
| IK rating | IK08                               |
| Salt Mist | Salt mist test : EN60068-2-11:2000 |
| T marking | T 85°C                             |

## MATERIALS

|                   |                              |
|-------------------|------------------------------|
| Exterior body     | PA66 UL94 V2                 |
| Connector         | PA66 GF UL94 V0              |
| O Rings           | TPE                          |
| Gaskets           | TPE                          |
| Material property | Halogen Free - Silicone Free |
| Contacts          | Brass                        |
| Contact screws    | Steel                        |
| Lid/Fixing screws | Steel                        |

# PRODUCT COMPLIANCES

IEC Approvals

EN 60529:1991 - EN 60998-1:2004

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**Item Code:** THR.209.S8L

**Description:** Junction box 4 ways type "H"

**Item** THA.209.A1A - THB.026.A1A - THB.026.B1A **Features / Property**







**Description** Junction box 4 ways type "H"

**IP protection:** IP68

**Contact marking:** 1 - 2 - 3 - 4 - L - E - N

**Type of packaging:** single packed unit, not assembled. Installation Sheet included in the kit.

| Item  | Description                      | Quantity |
|---|----------------------------------|----------|
|  6000087LF | Cable reductions 6-7 mm          | 4        |
|  600013700 | Closure caps                     | 2        |
|  6000175CC | Accessories for connector fixing | 1        |
|  6000337BC | Fixing tool                      | 1        |