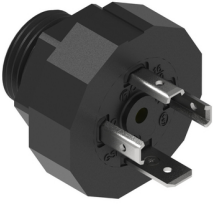


**Product:** [GSP 311](#) 

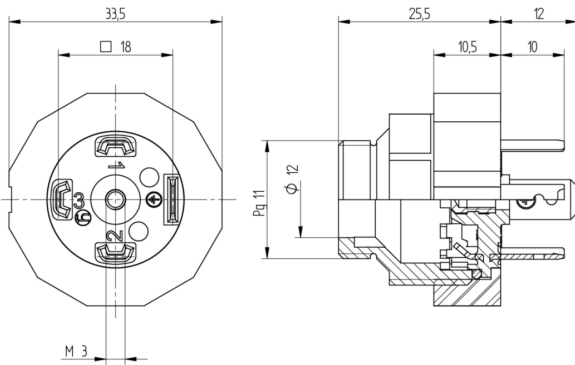


GSP - Male Receptacle Port Mount, Form A, Contacts: 3+PE, solder type, 400 V | 16 A; PG 11 Threaded Sleeve

**Product Description**

175301-803-A (DIN 43650-A): Male Receptacle Port Mount, Form A, Contacts: 3+PE, solder type, 400 V | 16 A; PG 11 Threaded Sleeve

**Technical Drawing**



**Technical Specifications**

**Technical Data**

|                                   |                                                                |
|-----------------------------------|----------------------------------------------------------------|
| Product Family:                   | Valve Connectors                                               |
| Side 1 Product Sub Family:        | GSP                                                            |
| Brand:                            | Hirschmann                                                     |
| Connector Type:                   | Receptacle                                                     |
| Connector Sub Type:               | Circular receptacle with connection thread and solder contacts |
| Side 1 Type of Contact/Gender:    | Male                                                           |
| Connector Design:                 | Straight                                                       |
| Number of Pins:                   | 3+PE                                                           |
| Coding, Side 1:                   | A                                                              |
| Shielding Type:                   | Unshielded                                                     |
| Attachment Type:                  | PG 11 Threaded Sleeve                                          |
| Rated Impulse Voltage:            | 4.0 kV                                                         |
| Operating Voltage:                | 400 V AC/DC                                                    |
| Current Rating:                   | 16 A                                                           |
| Side 1 Contact Resistance:        | ≤ 10 mOhm                                                      |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                                          |
| Mating Cycles:                    | ≤ 50                                                           |
| Type of Connection:               | Solder                                                         |
| Cross Section:                    | 0.08 - 1.5 mm <sup>2</sup>                                     |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C                                               |

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Protection Degree / IP Rating**: | IP65                                    |
| Side 1 Design Standard:          | DIN EN 175301-803-A, ISO 4400           |
| Side 1 Pollution Degree:         | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Clearance / Creepage Distance:   | DIN EN 60664-1 (2008/01); VDE 0110-1    |
| Overvoltage Category:            | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

|                                      |           |
|--------------------------------------|-----------|
| Contact Base Material:               | CuZn      |
| Side 1 Contact Plating:              | Cu/Sn     |
| Contact Bearer Material:             | PA GF     |
| Contact Bearer Color:                | black     |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Housing Material:                    | PA GF     |
| Housing Color:                       | black     |
| Flammability Class (Housing):        | UL 94 HB  |
| O-Ring Material:                     | NBR       |

Approvals

|      |     |
|------|-----|
| VDE: | yes |
| SEV: | yes |

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Notes

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Note Derating:                      | Notice derating                                                 |
| Protection Degree / IP Rating Note: | *IP Rating test performed by Belden with Belden Connectors only |
| Note:                               | Do not connect or disconnect under load.                        |

Variants

| Item #    | Item Description | Packaging                                                  |
|-----------|------------------|------------------------------------------------------------|
| 931297001 | GSP 311-S        | S - Bulk Packaging, 200 pieces per carton, unassembled     |
| 23522     | GSP 311-U        | U - Individually Bagged, 50 pieces per carton, unassembled |

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