

Product: GSR-U 3000 ☑

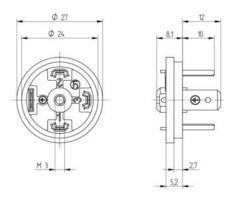


GSR-U - Male Receptacle for Injection Molding, Form A, Contacts: 3+PE, solder type, 400 V | 16 A

## **Product Description**

175301-803-A (DIN 43650-A): Male Receptacle for Injection Molding, Form A, Contacts: 3+PE, solder type, 400 V | 16 A

## **Technical Drawing**



# **Technical Specifications**

# **Technical Data**

| Product Family:                   | Valve Connectors                         |
|-----------------------------------|------------------------------------------|
| Product Sub Family:               | GSR-U                                    |
| Brand:                            | Hirschmann                               |
| Connector Type:                   | Receptacle                               |
| Connector Sub Type:               | Circular receptacle with solder contacts |
| Type of Contact / Gender:         | Male                                     |
| Connector Design:                 | Straight                                 |
| Number of Pins:                   | 3+PE                                     |
| Coding:                           | A                                        |
| Shielding:                        | Unshielded                               |
| Attachment Type:                  | Central Screw                            |
| Rated Impulse Voltage:            | 4.0 kV                                   |
| Operating Voltage:                | 400 V AC/230 V DC                        |
| Rated Current*:                   | 16 A                                     |
| Contact Resistance:               | ≤ 10 mOhm                                |
| Insulation Resistance:            | > 10^9 Ohm                               |
| Mating Cycles:                    | ≤ 50                                     |
| Type of Connection:               | Solder                                   |
| Conductor Cross Section:          | 0.08 - 1.5 mm²                           |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C                         |

| Protection Degree / IP Rating**: | IP65                                    |
|----------------------------------|-----------------------------------------|
| Design Standard:                 | DIN EN 175301-803-A, ISO 4400           |
| <u> </u>                         | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
|                                  | 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      |
|--------------------------------------|-----------|
| Contact Plating:                     | Cu/Sn     |
| Contact Bearer Material:             | PA GF     |
| Contact Bearer Color:                | black     |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Housing Color:                       | black     |

#### **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                                              |
|-----------|------------------|--------------------------------------------------------|
| 933376100 | GSR-U 3000 LO    | S - Bulk Packaging, 200 pieces per carton, unassembled |

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