



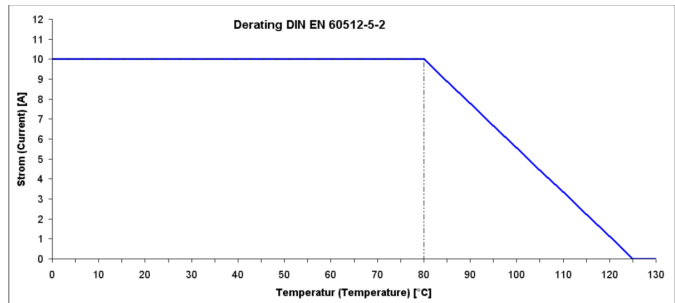
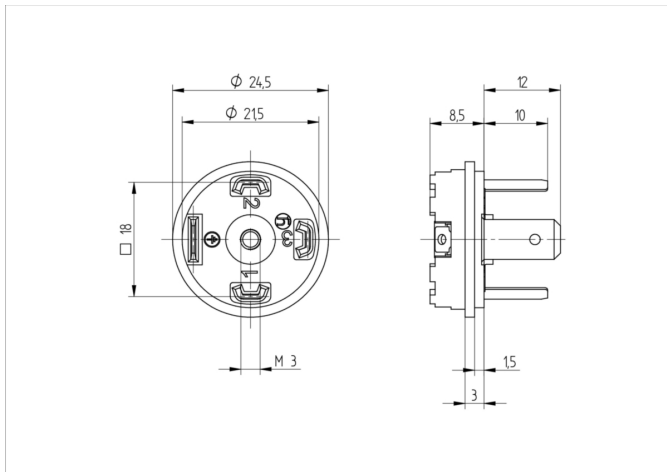
**Product:** [GSP-U 3000 SN](#)

GSP-U DIN standard receptacle with connection thread and solder contacts:  
Form A, 4-pin (3+1PE), solder type; 400 V AC/DC, 16 A

## Product Description

GSP-U DIN standard receptacle with connection thread and solder contacts: Form A, 4-pin (3+1PE), solder type; 400 V AC/DC, 16 A

## Technical Drawing



## Technical Specifications

### Technical Data

|                                   |  |
|-----------------------------------|--|
| Product Family:                   | Valve Connectors   |
| Product Sub Family:               | GSP-U  |
| Brand:                            | Hirschmann   |
| Connector Type:                   | Receptacle   |
| Connector Sub Type:               | Circular receptacle with connection thread and 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/DC  |
| Rated Current*:                   | 16 A   |
| Contact Resistance:               | $\leq 10 \text{ m}\Omega$                                      |
| Insulation Resistance:            | $> 10^9 \Omega$  |
| Mating Cycles:                    | $\leq 50$  |
| Type of Connection:               | Solder   |
| Conductor Cross Section:          | 0.08 - 1.5 mm <sup>2</sup>                                     |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C   |

|                                  |   |
|----------------------------------|---|
| Protection Degree / IP Rating**: | IP65                                    |
| Design Standard:                 | DIN EN 175301-803-A, ISO 4400           |
| 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      |
| 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: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note:                               | Do not connect or disconnect under load.   |

Variants

| Item #    | Item Description |
|-----------|------------------|
| 832954200 | GSP-U 3000 LO SN |

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