

**Product:** [GDME 3020 grey](#) 

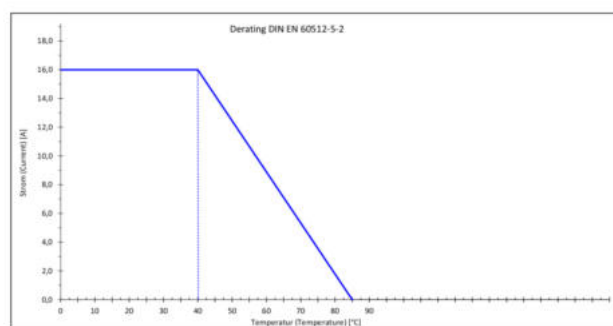
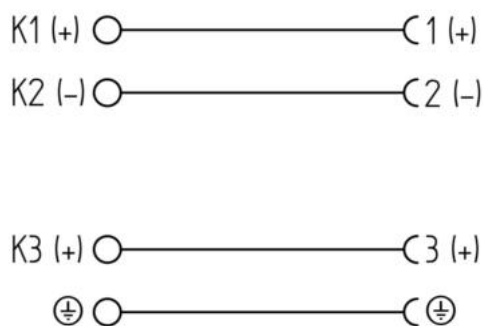
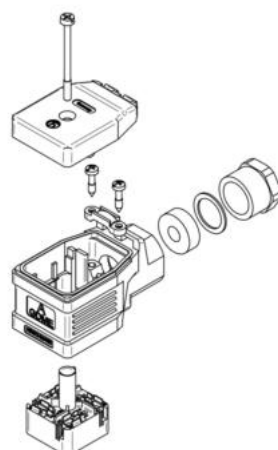
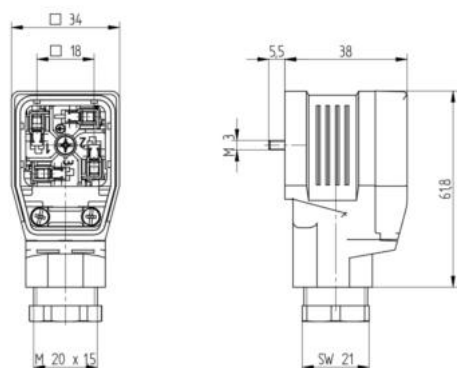


GDME Heavy Duty DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), grey housing with transparent cover, screw type, M20; without circuitry, 230 V DC / 400 V AC AC/DC, 16 A

### Product Description

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### Technical Drawing



### Technical Specifications

#### Technical Data

|                           |                  |
|---------------------------|------------------|
| Product Family:           | Valve Connectors |
| Product Sub Family:       | GDME Heavy Duty  |
| Brand:                    | Hirschmann       |
| Connector Type:           | Field attachable |
| Type of Contact / Gender: | Female           |

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Connector Design:                 | Angled                                  |
| Number of Pins:                   | 3+PE (PE across cable outlet)           |
| Coding:                           | A                                       |
| Shielding:                        | Unshielded                              |
| Attachment Type:                  | Central Screw                           |
| Rated Impulse Voltage:            | 4.0 kV                                  |
| Operating Voltage:                | 230 V DC / 400 V AC                     |
| Rated Current*:                   | 16 A                                    |
| Contact Resistance:               | ≤ 10 mOhm                               |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                   |
| Mating Cycles:                    | ≤ 50                                    |
| Type of Connection:               | Screw                                   |
| Cable Gland:                      | M20                                     |
| Conductor Cross Section:          | 0.25 - 1.5 mm²                          |
| Strain-Relief:                    | Bracket                                 |
| Suitable Cables:                  | Ø 7 - 13 mm                             |
| Ambient Temperature (Operation)*: | -25 °C - +80 °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 Material:                    | PA GF                               |
| Housing Color:                       | Grey housing with transparent cover |
| Flammability Class (Housing):        | UL 94 HB                            |
| Cable Gland Material:                | PA GF                               |
| Cable Gland Gasket:                  | NBR                                 |
| Cable Gland Color:                   | Grey                                |
| Strain-Relief Material:              | PA GF                               |
| Attachment Material:                 | Steel, Philips combi slot           |
| Cover Material:                      | PA GF                               |
| Flammability Class (Cover):          | UL 94 HB                            |
| Gasket Material:                     | Sold separately                     |

Additional Technical Data

|                                         |                 |
|-----------------------------------------|-----------------|
| Fastening Torque (Contact Screw):       | M3: (25-30) Ncm |
| Fastening Torque (Cable Gland):         | (150-200) Ncm   |
| Fastening torque (strain relief screw): | (50-60) Ncm     |
| Fastening Torque (Attachment):          | (50-60) Ncm     |

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 |
|-----------|------------------|
| 934455106 | GDME 3020 grau   |

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