



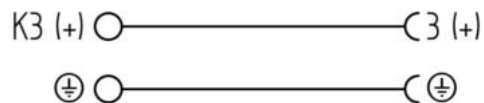
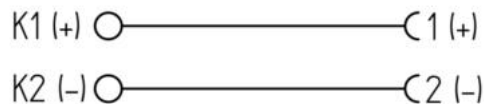
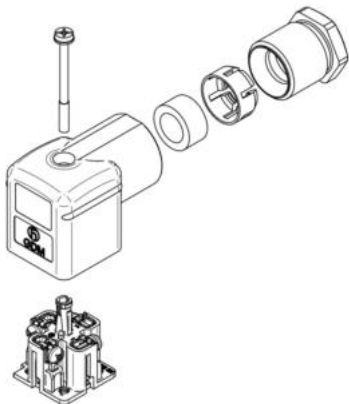
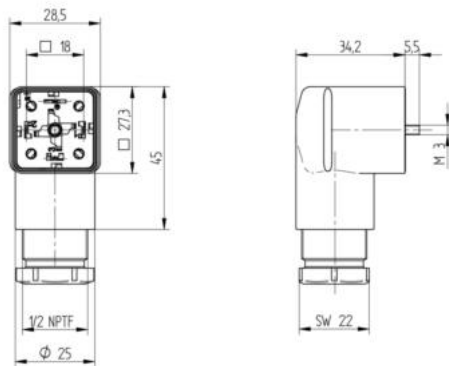
**Product:** [GDM31AQ-A0U-10F](#) 

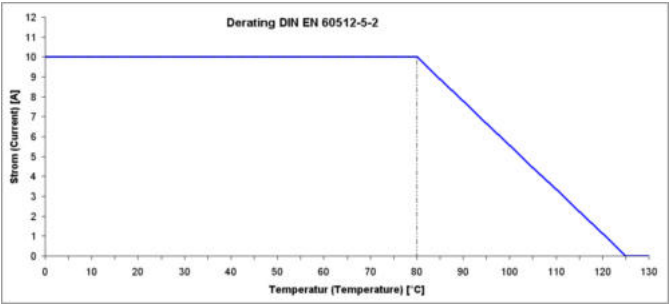
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, 1/2" NPTF with strain relief ; without circuitry, 230 V AC/DC, 10 A

## Product Description

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## Technical Drawing

[illegible]



Technical Specifications

Technical Data

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Product Family:                   | Valve Connectors                        |
| Product Sub Family:               | GDM Standard                            |
| 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 Voltage (UL):               | 300 V                                   |
| Rated Voltage (CSA):              | 300 V                                   |
| Rated Impulse Voltage:            | 4.0 kV                                  |
| Operating Voltage:                | 230 V AC/DC                             |
| Rated Current*:                   | 10 A                                    |
| Rated Current (UL)*:              | 10 A                                    |
| Rated Current (CSA)*:             | 8 A                                     |
| Contact Resistance:               | ≤ 10 mOhm                               |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                   |
| Mating Cycles:                    | ≤ 50                                    |
| Type of Connection:               | Screw                                   |
| Cable Gland:                      | 1/2" NPTF with strain relief            |
| Conductor Cross Section:          | 0.25 - 1.5 mm²                          |
| Strain-Relief:                    | Clamping Cage                           |
| Suitable Cables:                  | Ø 8 - 10 mm                             |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C                        |
| Operating Temperature (UL):       | max. + 75 °C                            |
| Operating Temperature (CSA):      | max. + 75 °C                            |
| Protection Degree / IP Rating**:  | IP65, IP67                              |
| 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 HB      |
| Housing Material:                    | PA GF         |
| Housing Color:                       | Black (cURus) |
| Flammability Class (Housing):        | UL 94 5VA     |
| Cable Gland Material:                | PA GF         |

|                         |                           |
|-------------------------|---------------------------|
| Cable Gland Gasket:     | NBR                       |
| Cable Gland Color:      | Black                     |
| Strain-Relief Material: | PA GF                     |
| Attachment Material:    | Steel, Philips combi slot |
| Gasket Material:        | Sold separately           |

Additional Technical Data

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

Approvals

|          |                |
|----------|----------------|
| UL-File: | E315587        |
| UL:      | UL 2238; cURus |
| 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 |
|-----------|------------------|
| 934888128 | GDM31AQ-A0U-10F  |

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