

**Product:** [GDM21AL-A0U-1KK](#) 

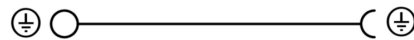
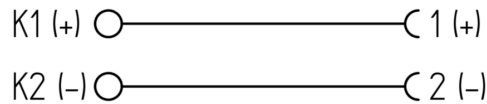
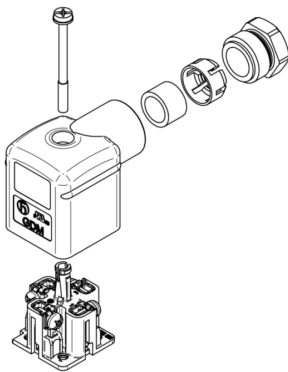
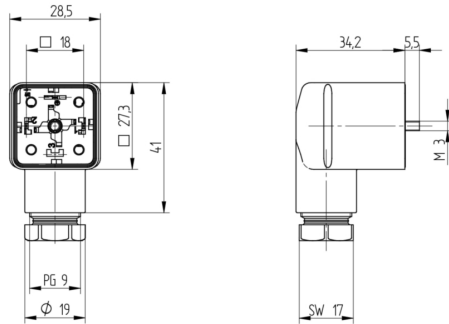


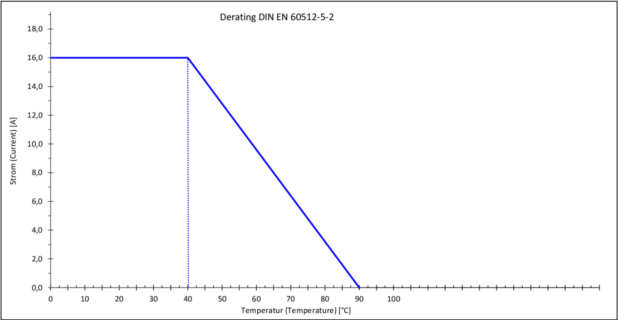
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A

## Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A

## 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:                   | 2+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:                      | PG9 with strain relief                  |
| Conductor Cross Section:          | 0.25 - 1.5 mm²                          |
| Strain-Relief:                    | Clamping Cage                           |
| Suitable Cables:                  | Ø 6 - 8 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:                     | NBR Captive               |

Additional Technical Data

|                                   |                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Fastening Torque (Contact Screw): | (40-50) Ncm for conductor size 0.25 - 1.5 mm²; (30-40) Ncm for conductor size 0.34 mm²; (25-30) Ncm for conductor size 0.25 mm² |
| 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 |
|--------|------------------|
| 15455  | GDM21AL-A0U-1KK  |

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