



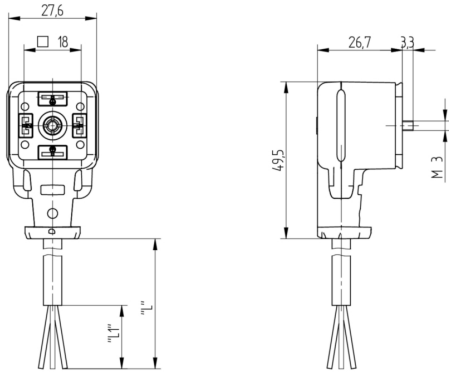
**Product:** [GAN22LU-V21-226](#)

GAN DIN Standard Single-Ended Cordset: Form A, 3-pin (2+2PE), grey translucent body, with varistor and yellow LED, 110 V AC/DC, 6 A; PUR black cable, 0.50 mm<sup>2</sup>

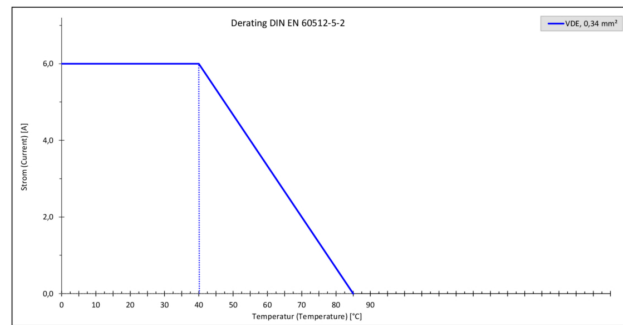
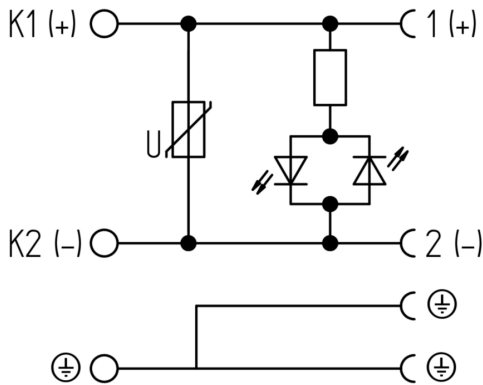
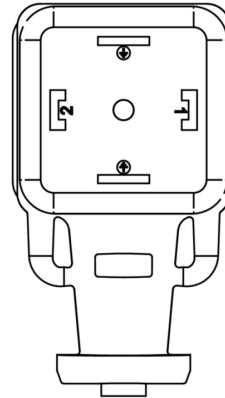
**Product Description**

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**Technical Drawing**



GAN22



**Technical Specifications**

**Face View**

| Pin 1 | Pin 2 | PE1          | PE2          |
|-------|-------|--------------|--------------|
| brown | blue  | green-yellow | green-yellow |

**Technical Data**

|                 |                  |
|-----------------|------------------|
| Product Family: | Valve Connectors |
|-----------------|------------------|

|                                   |   |
|-----------------------------------|---|
| Product Sub Family:               | GAN   |
| Brand:                            | Hirschmann  |
| Connector Type:                   | Cordset, single ended   |
| Type of Contact / Gender:         | Female  |
| Connector Design:                 | Angled  |
| Number of Pins:                   | 2+2 PE  |
| Coding:                           | A   |
| Shielding:                        | Unshielded  |
| Attachment Type:                  | Central Screw   |
| Rated Impulse Voltage:            | 4.0 kV (PCBA 2.0 kV)  |
| Operating Voltage:                | 110 V AC/DC   |
| Rated Current*:                   | 6 A   |
| Contact Resistance:               | ≤ 10 mOhm   |
| Insulation Resistance:            | > 10^9 Ohm  |
| Mating Cycles:                    | ≤ 50  |
| Ambient Temperature (Operation)*: | -25 °C - +85 °C (With additional 934-887-001 gasket : -40 °C - +105 °C) |
| Protection Degree / IP Rating**:  | IP65, IP67 (IP69K: without additional gasket; max. +80 °C)              |
| 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                 |
| Molded Body Material:                | TPE                       |
| Molded Body Color:                   | Grey translucent          |
| Flammability Class (Molded Body):    | UL 94 HB                  |
| Attachment Material:                 | Steel, Philips combi slot |
| Gasket Material:                     | Molded Integrated Gasket  |

Protection Circuitry

|                     |            |
|---------------------|------------|
| Function Indicator: | Yellow LED |
| Protective Circuit: | Varistor   |

Additional Technical Data

|                                |             |
|--------------------------------|-------------|
| Fastening Torque (Attachment): | (50-60) Ncm |
|--------------------------------|-------------|

Cable Data

|   |                                  |
|---|----------------------------------|
| Cable Number:                             | 226                              |
| Conductor Size:                           | 0.5 mm²                          |
| Number of Wires:                          | 3                                |
| Minimal Bending Radius (Fixed Inst):      | > 5 x D                          |
| Minimal Bending Radius (Flexible Inst):   | > 10 x D                         |
| Cycles (Bending):                         | > 5 M                            |
| Cycles (Torsion):                         | > 5 M @ ± 360 °/1 m              |
| Conductor material:                       | Cu                               |
| Cable Jacket Material:                    | PUR                              |
| Cable Jacket Color:                       | black                            |
| Cable Diameter D:                         | ø 4.6 ± 0.20 mm                  |
| Wire Insulation Material:                 | PP                               |
| Insulated Wire Diameter:                  | ø 1.50 mm                        |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 105 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation):  | - 25 °C - + 105 °C (UL: + 80 °C) |

|  |  |
|--|--|
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C  |
| UL Cable Type:                         | AWM: 20549   |
| Flammability Class (Cable Jacket):     | DIN EN 50265-2-2, VDE 0482-265-2-2, IEC 60332-2-2, CSA FT2   |
| Cable Characteristics:                 | Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility; Free of lacquer wetting disturbing substances |

Approvals

|      |     |
|------|-----|
| VDE: | yes |
|------|-----|

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Resistances

|                 |                                  |
|-----------------|----------------------------------|
| Halogenfree:    | yes                              |
| Oil Resistance: | Good chemical and oil resistance |

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        | Cable Length |
|-----------|-------------------------|--------------|
| 934889040 | GAN22LU-V21-2260200-1UC | 2 m          |
| 934889041 | GAN22LU-V21-2260500-1UC | 5 m          |
| 934889042 | GAN22LU-V21-2261000-1UB | 10 m         |

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