



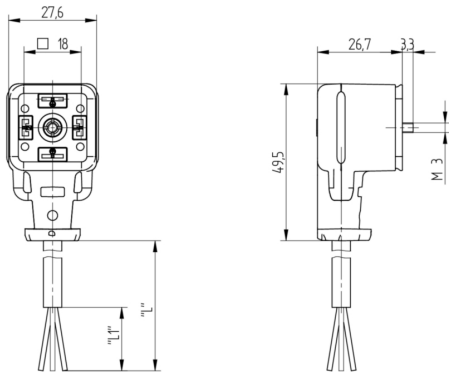
Product: [GAN22LU-V2Y-226](#)

Form A - Female 90° | #Contacts: 2+2 PE | Varistor (MOV) & ye LED | 250 V | Cable: Black (PUR); 0.50 mm²; IEC | cURus

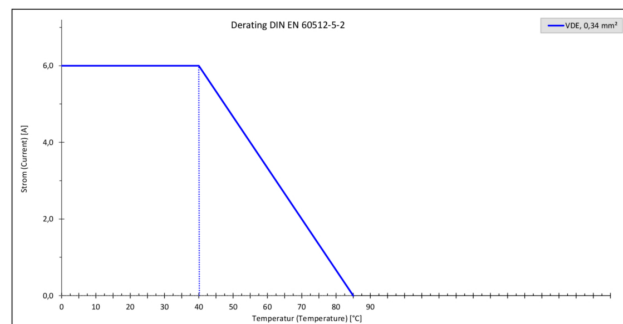
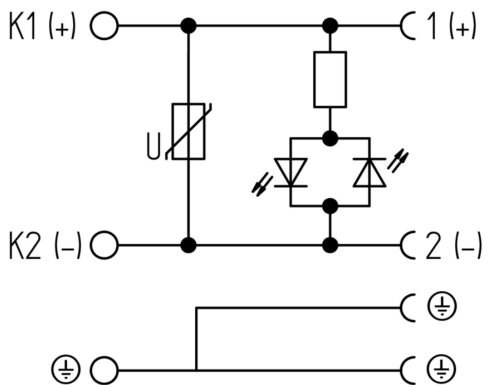
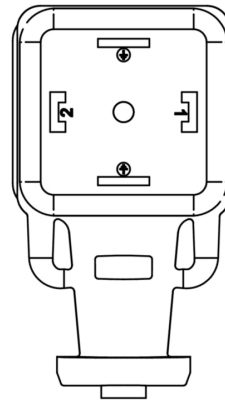
Product Description

Form A - Singled-Ended Female Angled Cordset | #Contacts: 2+2 PE | Varistor (MOV) & yellow LED | 250 V / 6 A | Cable: Black PUR Jacket; 3x0.50 mm² (20 AWG); IEC | UL 2238; cURus

Technical Drawing



GAN22



Technical Specifications

Product Life Cycle

| | |
|---------------|-------------------------------|
| Life Cycle: | Active - Product is available |
| Availability: | Active |

Face View

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

Technical Data

| | |
|-----------------------------------|---|
| Product Family: | Valve Connectors |
| Product Sub Family: | GAN - cURus 2238 |
| Brand: | Hirschmann |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Socket Contact / Female |
| Connector Design: | Angled (90°) Body |
| Number of Pins: | 2+2 PE |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Central Screw |
| Rated Voltage: | 250 V |
| Rated Impulse Voltage: | 4.0 kV (PCBA 2.0 kV) |
| Operating Voltage: | 230 V AC/DC |
| Rated Current*: | 6 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 50 |
| Conductor Cross Section: | 0.50 mm² |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C [Extended Temperature - 40 °C - + 105 °C with additional gasket accessory, 934887001] |
| 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: | Brass (CuZn) |
| Contact Plating: | Tin over Copper (Cu/Sn) |
| Contact Bearer Material: | Glass-filled Polybutylene Terephthalate (PBT-GF) |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Molded Body Material: | Thermoplastic Polyurethane (TPU) |
| 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 (MOV) & Function Indicator (LED) |

Additional Technical Data

| | |
|----------------------------------|--|
| Fastening Torque (Attachment): | (50-60) Ncm |
| Accessories to Order Separately: | 934887001 - GAN EPDM gasket and holding clip |

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 mio |
| Cycles (Torsion): | > 5 M @ ± 360 °/1 m |
| Conductor material: | Cu |
| Cable Jacket Material: | Polyurethane (PUR) |

| | |
|---|--|
| Cable Jacket Color: | Black |
| Cable Diameter D: | Ø 4.6 mm [0.181 "] |
| Wire Insulation Material: | Polypropylene (PP) |
| Insulated Wire Diameter: | Ø 1.50 mm [0.06 "] |
| Ambient Temperature (Fixed Installation): | - 50 °C to + 105 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation): | - 25 °C to + 105 °C (UL: + 80 °C) |
| Ambient Temperature (Drag Chain Inst): | - 25 °C to + 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

| | |
|----------|----------------|
| UL-File: | E315587 |
| UL: | UL 2238; cURus |
| 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: | *IP Rating test performed by Belden with Belden Connectors only |
| Note: | 1. Do not connect or disconnect under load. 2. Extended temperature range of -40°C performed by Belden in mated condition using EPDM gasket accessory. |

Variants

| Item # | Item Description | Cable Length | Replacement For | Replaced By |
|-----------|-------------------------|--------------|-------------------------------------|------------------------------------|
| 934889058 | GAN22LU-V2Y-2260200-1UC | 2 m | ID: 80700 Name: VAD 1A-3-3-226/2 M | |
| 934889059 | GAN22LU-V2Y-2260500-1UC | 5 m | | ID: 12147 Name: VAD 1A-3-3-226/5 M |
| 934889060 | GAN22LU-V2Y-2261000-1UB | 10 m | ID: 46041 Name: VAD 1A-3-3-226/10 M | |
| 934889194 | GAN22LU-V2Y-2261500-1UB | 15 m | ID: 46042 Name: VAD 1A-3-3-226/15 M | |

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