



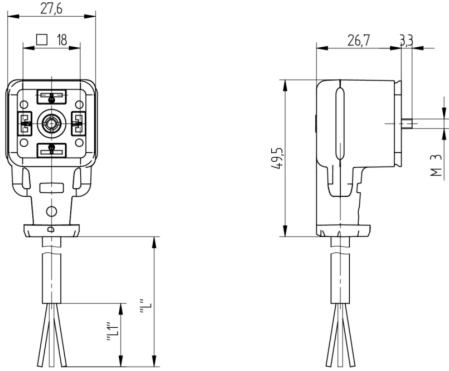
Product: [GAN22LU-S24-609](#)

Form A - Female 90° | #Contacts: 2+2 PE | Suppressor diode (TVS) & ye LED | 24 V | Cable: Grey (PVC); 0.75 mm²; IEC | cURus

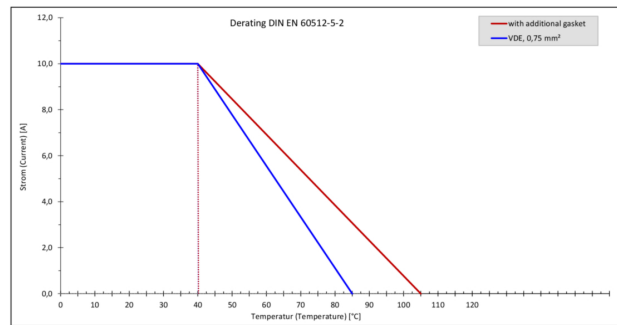
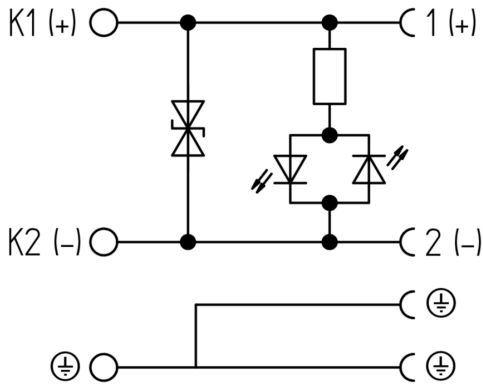
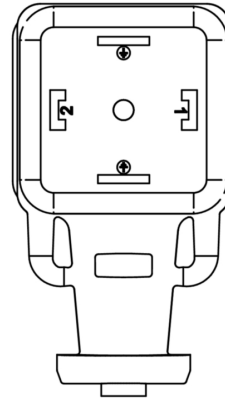
Product Description

Form A - Singled-Ended Female Angled Cordset | #Contacts: 2+2 PE | Suppressor diode (TVS) & yellow LED | 24 V / 10 A | Cable: Grey PVC Jacket; 3x0.75 mm² (18 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 |
| Side 1 Product Sub Family: | GAN - cURus 2238 |
| Brand: | Hirschmann |
| Connector Type: | Cordset, single ended |
| Side 1 Type of Contact/Gender: | Socket Contact / Female |
| Connector Design: | Angled (90°) Body |
| Number of Pins: | 2+2 PE |
| Coding, Side 1: | A |
| Shielding Type: | Unshielded |
| Attachment Type: | Central Screw |
| Voltage Rating: | 24 V |
| Rated Impulse Voltage: | 4.0 kV (PCBA 2.0 kV) |
| Operating Voltage: | 24 V AC/DC |
| Current Rating: | 10 A |
| Side 1 Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 50 |
| Cross Section: | 0.75 mm ² |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C [Extended Temperature - 40 °C - + 105 °C with additional gasket accessory, 934887001] |
| Protection Degree / IP Rating**: | IP65, IP67* |
| Side 1 Design Standard: | DIN EN 175301-803-A, ISO 4400 |
| Side 1 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) |
| Side 1 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: | Suppressor diode (TVS) & 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: | 609 |
| Conductor Size: | 0.75 mm ² |
| Number of Wires: | 3 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Conductor Material: | Cu |
| Cable Jacket Material: | Polyvinyl Chloride (PVC) |
| Cable Jacket Color: | Grey |
| Cable Diameter D: | Ø 5.5 mm [0.217 "] |

| | |
|---|--|
| Wire Insulation Material: | Polyvinyl Chloride (PVC) |
| Insulated Wire Diameter: | Ø 1.70 mm [0.07 "] |
| Ambient Temperature (Fixed Installation): | - 40 °C to + 105 °C |
| Ambient Temperature (Flex Installation): | + 5 °C to + 105 °C |
| Flammability Class (Cable Jacket): | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2 |
| Cable Characteristics: | free of lacquer wetting disturbing substances, good chemical and oil resistance, Exclusion of Silicone |

Approvals

| | |
|----------|----------------|
| UL-File: | E315587 |
| UL: | UL 2238; cURus |
| VDE: | Yes |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Resistances

| | |
|-----------------|---------------|
| Halogenfree: | No |
| Oil Resistance: | IEC 60811:404 |

Notes

| | |
|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked |
| 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 |
|-----------|-------------------------|--------------|--|
| 934889102 | GAN22LU-S24-6090200-1UC | 2 m | ID: 934562021 Name: GAN-DFFE7X-AG0200C1-XC607-AD |
| 934889103 | GAN22LU-S24-6090500-1UC | 5 m | ID: 934562022 Name: GAN-DFFE7X-AG0500C1-XC607-AC |
| 934889104 | GAN22LU-S24-6090700-1UB | 7 m | ID: 934562075 Name: GAN-DFFE7X-AG0700C1-XC607-AB |
| 8940 | GAN22LU-S24-6090250-1UC | 2.5 m | |
| 13488 | GAN22LU-S24-6091200-1UB | 12 m | |
| 11523 | GAN22LU-S24-6091500-1UB | 15 m | ID: 934562112 Name: GAN-DFFE7X-AG1500C1-XC607-AA |
| 8322 | GAN22LU-S24-6091000-1UB | 10 m | ID: 934562080 Name: GAN-DFFE7X-AG1000C1-XC607-AA |
| 810010083 | GAN22LU-S24-6090200-10H | 2 m | |
| 810010084 | GAN22LU-S24-6090500-10H | 5 m | |

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