



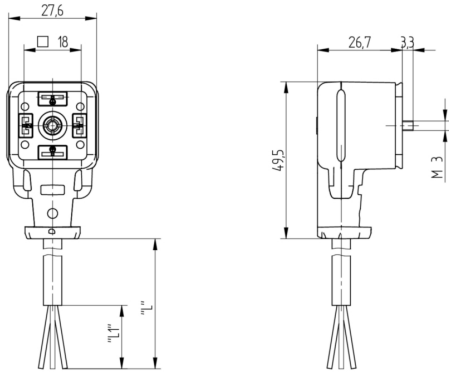
Product: [GAN22LU-V21-212](#)

Form A - Female 90° | #Contacts: 2+2 PE | Varistor (MOV) & ye LED | 120 V | Cable: Black (PVC); 0.50 mm²; IEC

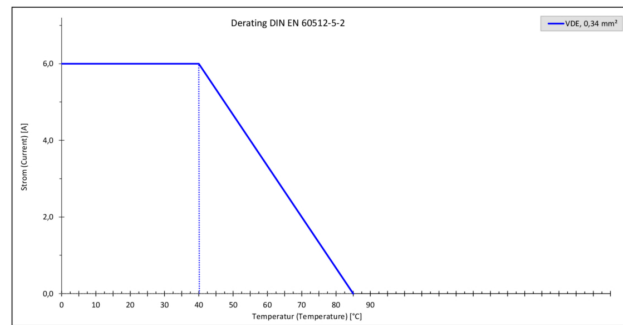
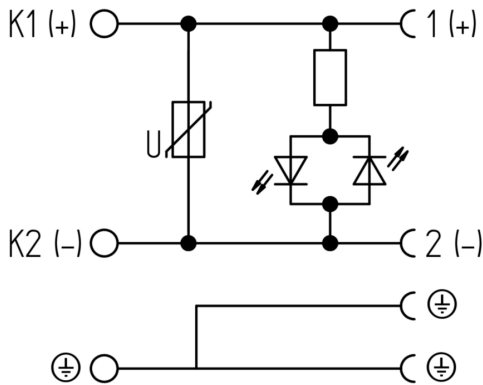
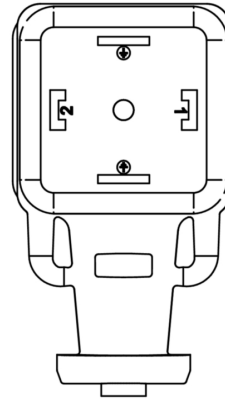
Product Description

Form A - Singled-Ended Female Angled Cordset | #Contacts: 2+2 PE | Varistor (MOV) & yellow LED | 120 V / 6 A | Cable: Black PVC Jacket; 3x0.50 mm² (20 AWG); IEC

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
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:	120 V
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	110 V AC/DC
Current Rating:	6 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
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*
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)
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:	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:	212
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
Conductor Material:	Cu
Cable Jacket Material:	Polyvinyl Chloride (PVC)
Cable Jacket Color:	Black
Cable Diameter D:	Ø 5.0 mm [0.197 "]

Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 1.70 mm [0.07 "]
Ambient Temperature (Fixed Installation):	- 40 °C to + 70 °C
Ambient Temperature (Flex Installation):	+ 5 °C to + 70 °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; Exclusion of silicone

Approvals

VDE:	Yes
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Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
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

Variants

Item #	Item Description	Cable Length
7641	GAN22LU-V21-2120200-1UC	2 m
7642	GAN22LU-V21-2120500-1UC	5 m

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