



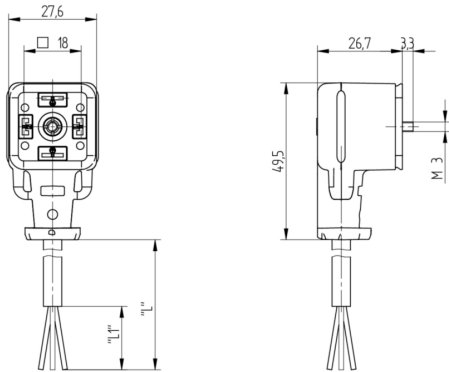
Product: [GAN220U-A0U-603](#)

GAN DIN Standard Single-Ended Cordset: Form A, 3-pin (2+2PE), UL 2238, black body, without circuitry, 230 V AC/DC, 10 A; PUR grey cable, 0.75 mm²

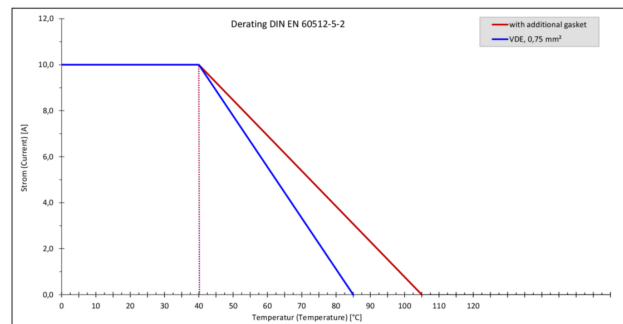
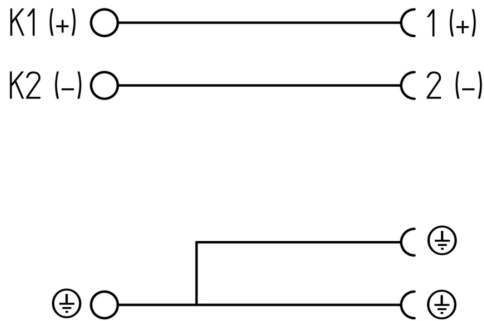
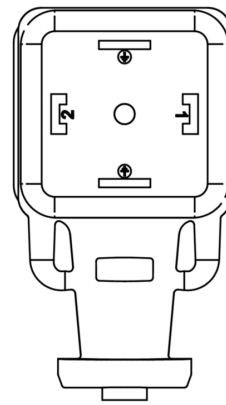
Product Description

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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 with cULus approval

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 Voltage (UL):	250 V
Rated Voltage (CSA):	250 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	10 A
Rated Current (UL)*:	6 A
Rated Current (CSA)*:	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)
Operating Temperature (UL):	max. + 85 °C
Operating Temperature (CSA):	max. + 85 °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:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Steel, Philips combi slot
Gasket Material:	Molded Integrated Gasket

Additional Technical Data

Fastening Torque (Attachment):	(50-60) Ncm
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Cable Data

Cable Number:	603
Conductor Size:	0.75 mm²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	grey
Cable Diameter D:	ø 5.80 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.92 ± 0.05 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 90 °C (UL: + 80 °C)

Ambient Temperature (Flex Installation):	- 25 °C - + 90 °C (UL: + 80 °C)
UL Cable Type:	AWM: 20549 or 21198
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, CSA FT2; VDE 0472 Teil 804 Prüftart B
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; good chemical and oil resistance; Exclusion of PVC and Silicone; free of lacquer wetting disturbing substances; Coldness flexibility

Approvals

UL-File:	E315587
UL:	UL 2238; cULus
VDE:	yes

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	yes
Oil Resistance:	IEC 60811-404 , VDE 0472; VDE 0250

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
934889583	GAN220U-A0U-6030200	2 m
934889584	GAN220U-A0U-6030500	5 m

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