



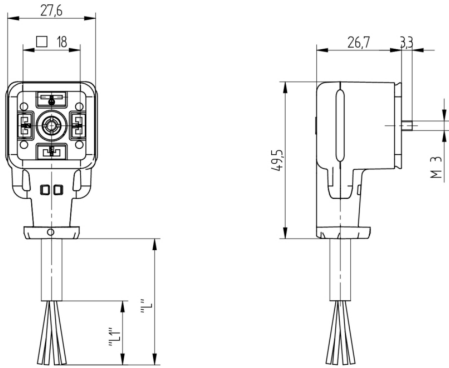
**Product:** [GAN310U-A0U-604](#)

GAN DIN Standard Single-Ended Cordset: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black body, without circuitry, 230 V AC/DC, 10 A; PUR grey cable, 0.75 mm<sup>2</sup>

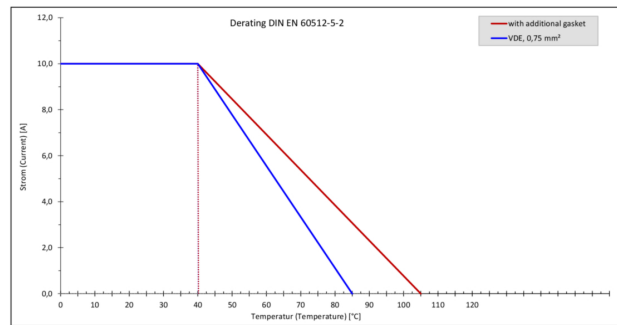
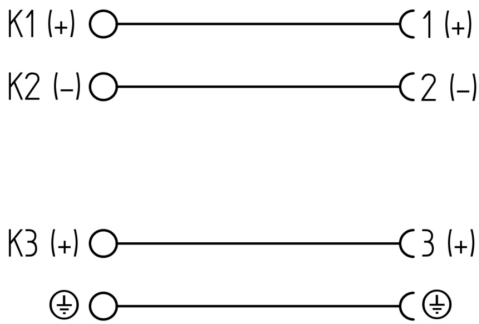
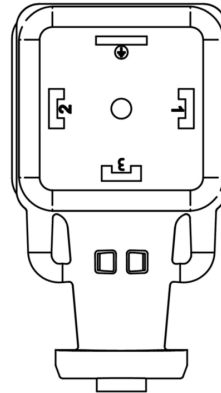
**Product Description**

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**Technical Drawing**



GAN31



**Technical Specifications**

**Face View**

Pin 1	Pin 2	Pin 3	PE
brown	blue	black	green-yellow

**Technical Data**

Product Family:	Valve Connectors
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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:	3+PE (PE across cable outlet)
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 <sup>9</sup> 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:	604
Conductor Size:	0.75 mm <sup>2</sup>
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	grey RAL 7001
Cable Diameter D:	ø 6.50 ± 0.20 mm
Wire Insulation Material:	PP
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 20 °C - + 90 °C (UL: + 80 °C)
UL Cable Type:	AWM: 21198

Flammability Class (Cable Jacket):	IEC 60332-1, DIN VDE 0472 Teil 804 test method B, UL/CSA FT2
Cable Characteristics:	Exclusion of dangerous materials acc. : 2000/53/EG, 2011/65/EU, 2003/11/EG, 1907/2006/EG, Resistant against acids, alkalis and solvents, UV-and ozone resistant

## 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:	VDE 0250 and 0472

## 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
934889578	GAN310U-A0U-6040200	2 m
934889579	GAN310U-A0U-6040500	5 m

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