



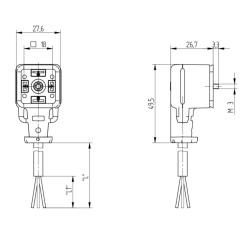
Product: GAN220U-A0U-603 ☑

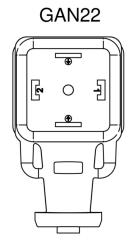
GAN DIN Standard Single-Ended Cordset: Form A, 3-pin (2+2PE), UL 2238, black body, without circuitry, 230 V AC/DC, 10 A; PUR grey cable, 0.75 mm²

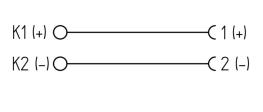
Product Description

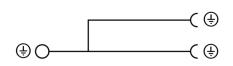
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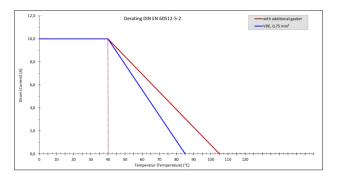
Technical Drawing











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:CuZnContact Plating:Cu/SnContact Bearer Material:PA GFContact Bearer Color:blackElammability Class (Contact Bearer):U. 94 V-0Molded Body Material:TPEMolded Body Color:BlackFlammability Class (Molded Body):U. 94 HBAttachment Material:Seel, Philips combi slotGasket Material:Molded Integrated Gasket		
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	Contact Base Material:	CuZn
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	Contact Plating:	Cu/Sn
Flammability Class (Contact Bearer): Molded Body Material: TPE Molded Body Color: Black Flammability Class (Molded Body): UL 94 HB Attachment Material: Steel, Philips combi slot	Contact Bearer Material:	PA GF
Bearer): 1 CL 94 V-0 Molded Body Material: TPE Molded Body Color: Black Flammability Class (Molded Body): UL 94 HB Attachment Material: Steel, Philips combi slot	Contact Bearer Color:	black
Molded Body Color: Black Flammability Class (Molded Body): UL 94 HB Attachment Material: Steel, Philips combi slot		UL 94 V-0
Flammability Class (Molded Body): UL 94 HB Attachment Material: Steel, Philips combi slot	Molded Body Material:	TPE
Attachment Material: Steel, Philips combi slot	Molded Body Color:	Black
	Flammability Class (Molded Body):	UL 94 HB
Gasket Material: Molded Integrated Gasket	Attachment Material:	Steel, Philips combi slot
	Gasket Material:	Molded Integrated Gasket

Additional Technical Data

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

Cable Data

Cable Number:	603
Conductor Size:	0.75 mm ²
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 Prüfart 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

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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