



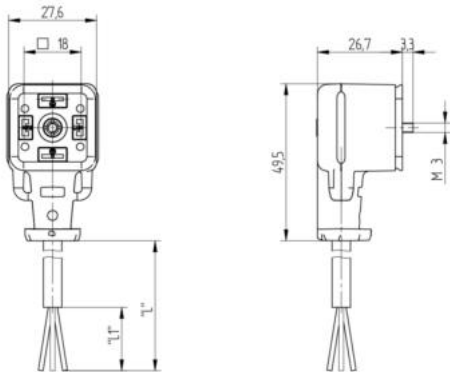
**Product:** [GAN220U-A0U-226](#) 

GAN - Molded Female Cordset, Form A, Contacts: 2+2PE, without Protective Circuit or LED, 250 V | 6 A, IP67; PUR Black, 3x0.50mm<sup>2</sup> (20AWG); cULus 2238

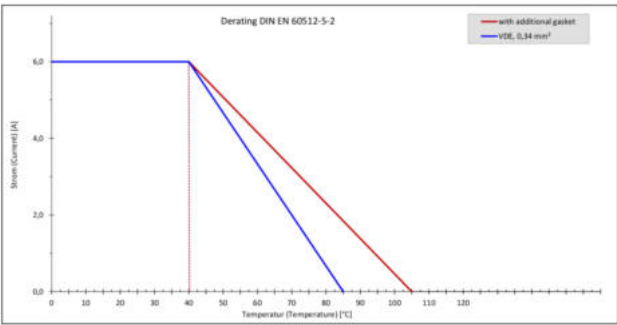
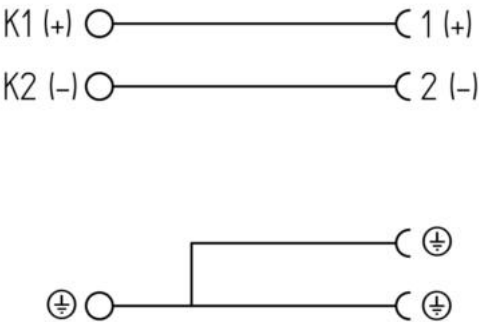
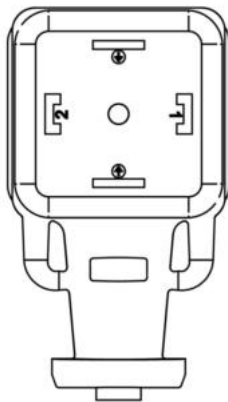
**Product Description**

175301-803-A (DIN 436250-A): Single-Ended Female Cordset, Contacts: 2+2PE, without Protective Circuit or LED, 250 V | 6 A, IP67; Cable: PUR Black, IEC, 3x0.50mm<sup>2</sup> (20AWG); cULus 2238

**Technical Drawing**



GAN22



**Technical Specifications**

**Product Life Cycle**

Availability:	Active
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**Face View**

Pin 1	Pin 2	PE1	PE2
brown	blue	green-yellow	green-yellow

Technical Data

Product Family:	Valve Connectors
Product Sub Family:	GAN - cULus 2238
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:	250 V
Rated Voltage (UL):	250 V
Rated Voltage (CSA):	250 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	6 A
Rated Current (UL)*:	4 A
Rated Current (CSA)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
Ambient Temperature (Operation)*:	-25 °C - +85 °C [Extended Temperature -40 °C - +105 °C with additional gasket accessory, 934887001]
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
Accessories to Order Separately:	934887001 - GAN EPDM gasket and holding clip

Cable Data

Cable Number:	226
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
Cycles (Bending):	> 5 M
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor material:	Cu

Cable Jacket Material:	PUR	AbN automation
Cable Jacket Color:	black	
Cable Diameter D:	ø 4.6 ± 0.20 mm	
Wire Insulation Material:	PP	
Insulated Wire Diameter:	ø 1.50 mm	
Ambient Temperature (Fixed Installation):	- 50 °C - + 105 °C (UL: + 80 °C)	
Ambient Temperature (Flex Installation):	- 25 °C - + 105 °C (UL: + 80 °C)	
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C	
UL Cable Type:	AWM: 20549	
Flammability Class (Cable Jacket):	DIN EN 50265-2-2, VDE 0482-265-2-2, IEC 60332-2-2, CSA FT2	
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility; Free of lacquer wetting disturbing substances	

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:	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
934889504	GAN220U-A0U-2260500	5 m
934889505	GAN220U-A0U-2261000	10 m
16386	GAN220U-A0U-2262500-1UA	25 m

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