



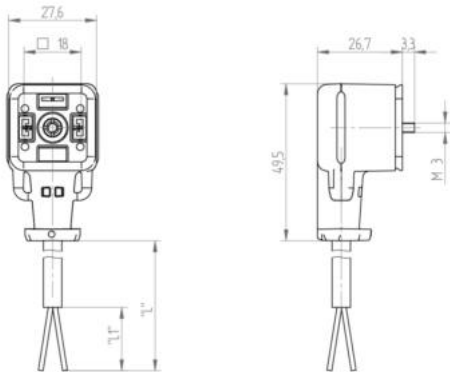
Product: [GAN20LU-S22-618](#)

GAN - Molded Female Cordset, Form A, Contacts: 2, with Suppressor Diode (TVS) and YE LED, 12 V | 10 A, IP67; PVC Grey, 2x0.75mm² (18AWG); cURus 2238

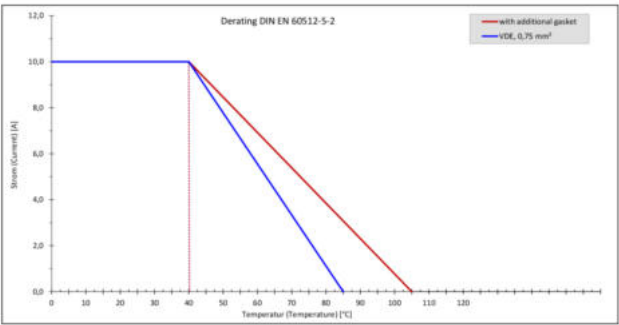
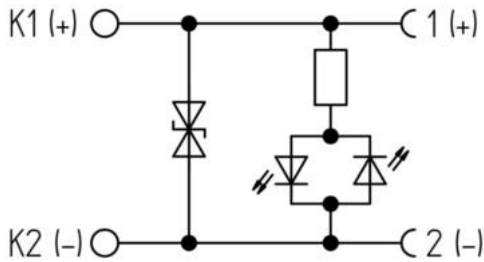
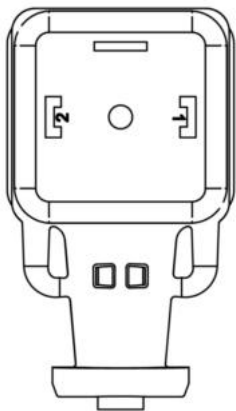
Product Description

175301-803-A (DIN 43650-A): Single-Ended Female Cordset, Contacts: 2, with Suppressor Diode (TVS) and Yellow LED, 12 V | 10 A, IP67; Cable: PVC Grey, IEC, 2x0.75mm² (18AWG); cURus 2238

Technical Drawing



GAN20



Technical Specifications

Product Life Cycle

Availability:	Active
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Face View

Pin 1	Pin 2
brown	blue

Technical Data

Product Family:	Valve Connectors
Product Sub Family:	GAN - cURus 2238
Brand:	Hirschmann
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	2
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	12 V
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	12 V AC/DC
Rated Current*:	10 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]
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:	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:	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:	Suppressor diode

Additional Technical Data

Fastening Torque (Attachment):	(50-60) Ncm
Accessories to Order Separately:	934887001 - GAN EPDM gasket and holding clip

Cable Data

Cable Number:	618
Conductor Size:	0.75 mm²
Number of Wires:	2
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	grey RAL 7001
Cable Diameter D:	ø 5.50 ± 0.20 mm
Wire Insulation Material:	PVC

Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	- 5 °C - + 90 °C
UL Cable Type:	AWM: 2654
Flammability Class (Cable Jacket):	IEC 60332-1, DIN VDE 0472 Teil 904 test method B, FT1
Cable Characteristics:	Exclusion of dangerous materials acc. : 2000/53/EG, 2011/65/EU, 2003/11/EG, 1907/2006/EG

Approvals

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

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	no
Oil Resistance:	VDE 0250 and 0472

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	*IP Rating test performed by Belden with Belden Connectors only
Note:	1. Do not connect or disconnect under load. 2. Extended temperature range of -40°C performed by Belden in mated condition using EPDM gasket accessory.

Variants

Item #	Item Description	Cable Length	Replacement For
934889119	GAN20LU-S22-6180200-1UC	2 m	ID: 934619003 Name: GAN-DSDE7X-DM0200C1-XA000-AD
934889120	GAN20LU-S22-6180440-1UC	4.4 m	ID: 934619004 Name: GAN-DSDE7X-DM0440C1-XA000-AC
934889121	GAN20LU-S22-6181000-1UB	10 m	ID: 934619005 Name: GAN-DSDE7X-DM1000C1-XA000-AB
934889125	GAN20LU-S22-6180120-1UD	1.2 m	ID: 934619001 Name: GAN-DSDE7X-DM0120C1-XAA10-AD
934889126	GAN20LU-S22-6180150-1UD	1.5 m	ID: 934619002 Name: GAN-DSDE7X-DM0150C1-XAA10-AD
934889127	GAN20LU-S22-6180500-1UC	5 m	ID: 5205 Name: GAN-DSDE7X-DM0500C1-XA000-AC
934889128	GAN20LU-S22-6180620-1UB	6.2 m	ID: 934619008 Name: GAN-DSDE7X-DM0620C1-XAA10-AD

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