



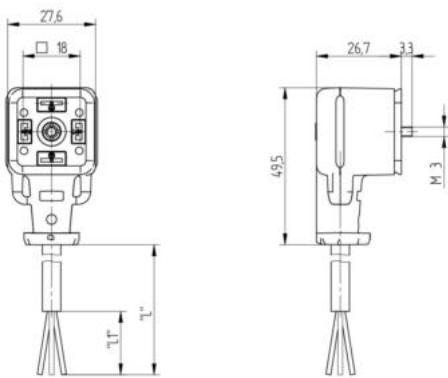
Product: [GAN22LU-S24-609](#)

GAN - Molded Female Cordset, Form A, Contacts: 2+2PE, with Suppressor Diode (TVS) and YE LED, 24 V | 10 A, IP67; PVC Grey, 3x0.75mm² (18AWG); cURus 2238

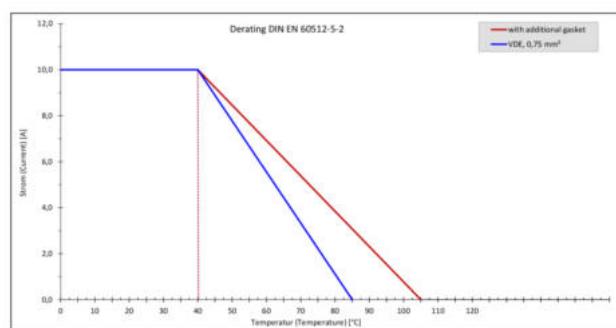
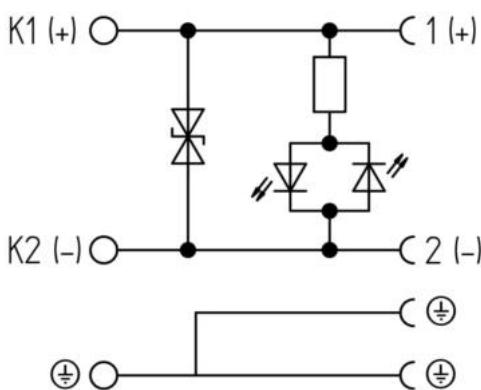
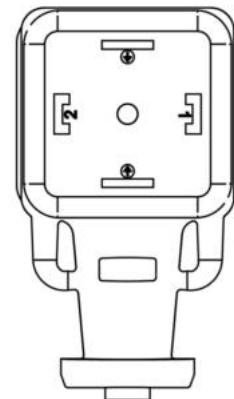
Product Description

175301-803-A (DIN 43650-A): Single-Ended Female Cordset, Contacts: 2+2PE, with Suppressor Diode (TVS) and Yellow LED, 24 V | 10 A, IP67; Cable: PVC Grey, IEC, 3x0.75mm² (18AWG); cURus 2238

Technical Drawing



GAN22



Technical Specifications

Product Life Cycle

Availability:	Active
---------------	--------

Face View

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

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+2 PE
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	24 V
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	24 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 (TVS)

Additional Technical Data

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

Cable Data

Cable Number:	609
Conductor Size:	0.75 mm ²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	grey
Cable Diameter D:	ø 5.5 ± 0.2 mm
Wire Insulation Material:	PVC

Insulated Wire Diameter:	ø 1.70 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 105 °C
Ambient Temperature (Flex Installation):	+5 °C - + 105 °C
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2
Cable Characteristics:	free off lacquer wetting disturbing substances, good chemical and oil resistance, Exclusion of Silicone

Approvals

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

Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

Resistances

Halogenfree:	no
Oil Resistance:	IEC 60811:404

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
934889102	GAN22LU-S24-6090200-1UC	2 m	ID: 934562021 Name: GAN-DFFE7X-AG0200C1-XC607-AD
934889103	GAN22LU-S24-6090500-1UC	5 m	ID: 934562022 Name: GAN-DFFE7X-AG0500C1-XC607-AC
934889104	GAN22LU-S24-6090700-1UB	7 m	ID: 934562075 Name: GAN-DFFE7X-AG0700C1-XC607-AB
8940	GAN22LU-S24-6090250-1UC	2.5 m	
13488	GAN22LU-S24-6091200-1UB	12 m	
11523	GAN22LU-S24-6091500-1UB	15 m	ID: 934562112 Name: GAN-DFFE7X-AG1500C1-XC607-AA
8322	GAN22LU-S24-6091000-1UB	10 m	ID: 934562080 Name: GAN-DFFE7X-AG1000C1-XC607-AA

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.