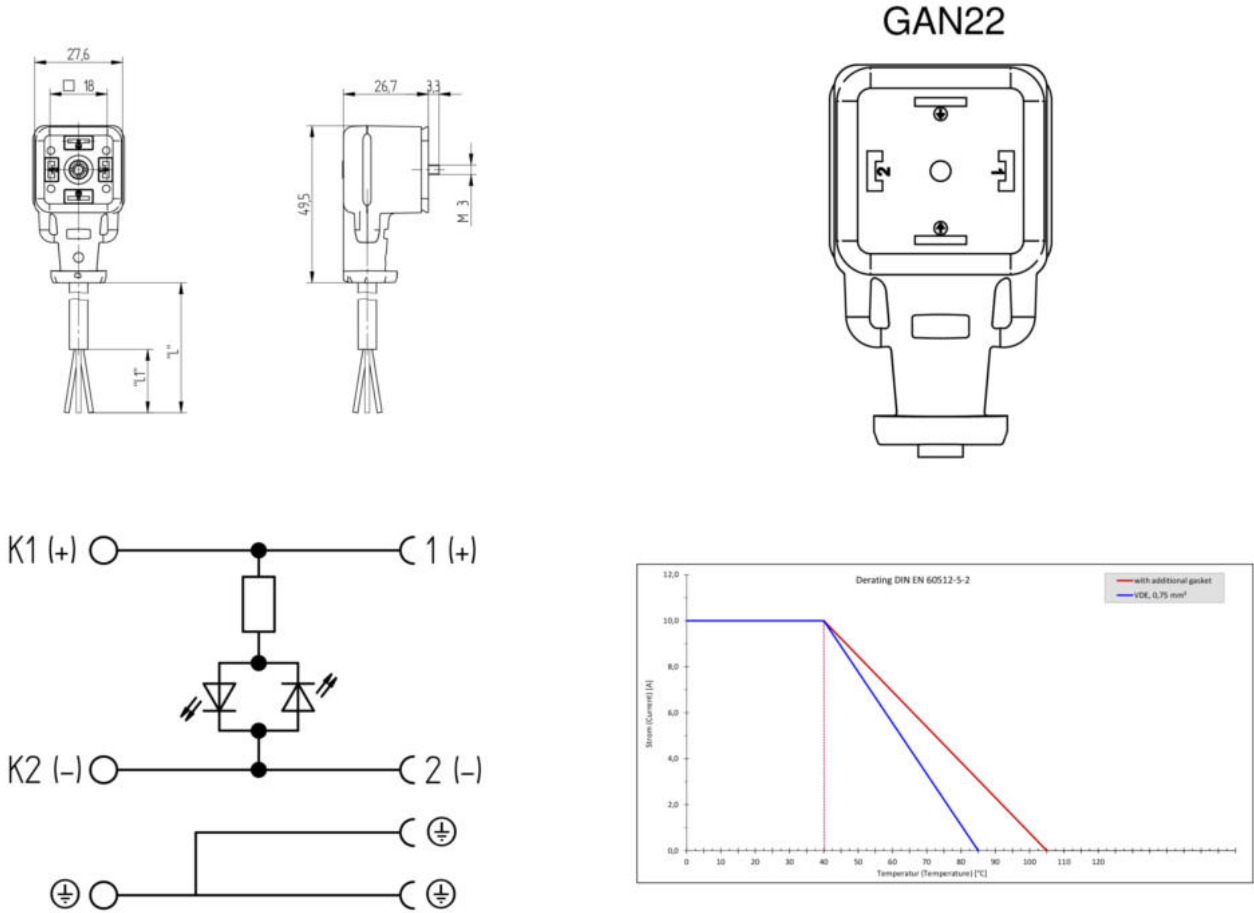![Hirschmann - A Belden Brand logo]

Product: GAN22LU-L14-603 ⧉

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

Product Description

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

Technical Drawing

GAN22

Technical Specifications

Product Life Cycle

Life Cycle:	Active - Product is available
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 (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:	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

Additional Technical Data

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

Cable Data

Cable Number:	603
Conductor Size:	0.75 mm²
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; cURus
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:	*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
934889091	GAN22LU-L14-6030200-1UC	2 m	ID: 934562045 Name: GAN-DBFE7X-FS0200C1-XC607-AD
934889092	GAN22LU-L14-6030275-1UC	2.75 m	ID: 934562912 Name: GAN-DBFE7X-FS0275C1-XC607-AC
934889093	GAN22LU-L14-6030500-1UC	5 m	ID: 934562046 Name: GAN-DBFE7X-FS0500C1-XC607-AC
934889124	GAN22LU-L14-6030600-1UB	6 m	
934889157	GAN22LU-L14-6030050-1UD	0.5 m	ID: 934562094 Name: GAN-DBFE7X-FS0050C1-XA000-BD
934889158	GAN22LU-L14-6030300-1UC	3 m	ID: 934562084 Name: GAN-DBFE7X-FS0300C1-XC607-AC
934889159	GAN22LU-L14-6030400-1UC	4 m	ID: 2692 Name: GAN-DBFE7X-FS0400C1-XC607-AC
9389	GAN22LU-L14-6031000	10 m	ID: 2693 Name: GAN-DBFE7X-FS1000C1-XC607-AB