



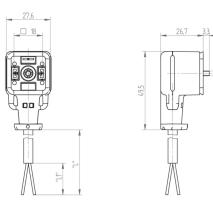
Product: <u>GAN200U-D1U-606-4UD</u> ☑

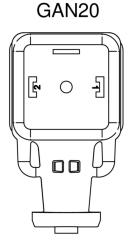
Form A - Female 90° | #Contacts: 2 | Recovery Diode (FRD) | 50 V | Cable: Grey (PUR); 0.75 mm²; IEC | cULus

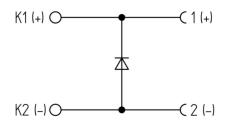
Product Description

Form A - Singled-Ended Female Angled Cordset | #Contacts: 2 | Recovery Diode (FRD) | 50 V / 10 A | Cable: Grey PUR Jacket; 2x0.75 mm² (18 AWG); IEC | UL 2238; cULus

Technical Drawing







Technical Specifications

Product Life Cycle

Life Cycle:	Active - Product is available
Availability:	New Release
Face View	
Pin 1Pin 2brownblue	
Technical Data	

Band Histoman Contector Type: Codestangle ended Contector Type: Scat Contant / Fenale Contector Design: Apple GO's Body Mander Offension: Scat Contant / Fenale Contector Design: Apple GO's Body Marchard Design: Scat Contant / Fenale Contector Type: Scat Contant / Fenale Marchard Design: Scat Contant / Fenale Scat Contant / Fenale Scat Contant / Fenale Scat Contant / Fenale Scat Contant / Fenale Contant / Fenale Scat Contant / Fenale Scat Contant / Fenale Scat Contant / Fenale Conta	Product Family:	Valve Connectors
Connector Type: Condext, Gender. Socka Contact / Female Socka Contact / Female Connector Design: Angled (90') Body Varuber or Design: Angled (90') Body Socka Contact / Gender. Socka Contact / Female Socka Contact / Gender. Socka Contact / Gender. Socka Contact / Gender. Soc	Product Sub Family:	GAN - cULus 2238
Type of Contact / Female Socket Contact / Female Contact / Benale Angled (80°) Body Number of Pins: 2 Contact / Benale 2 Contact / Benale A Stanking: Unshieled Witchment Ypp: Central Scow Rated Voltage (VL): Si V Rated Voltage (VSA): Si VACIOC Rated Current (VL): A Rated Current (VL): A Rated Current (VL): A Socket Contact / Exercised Temperature - 40 °C + 105 °C with additional gasket accessory, Sid487001] Socket Contact / Penale Sic C + 55 °C [Extended Temperature - 40 °C + 105 °C with additional gasket accessory, Sid4887001] Socket Contact / Penale Sic C + 55 °C [Extended Temperature - 40 °C + 105 °C with additional gasket accessory, Sid4887001] Socket Contact / Sic C + 55 °C [Extended T	Brand:	Hirschmann
Ander GelorityAnder Gelority BodySciencetor Design:Ander Gelority BodyStanked rol Prise:2Science of Prise:AScience of Prise:Central ScrewStatekting:Sol <tr< td=""><td>Connector Type:</td><td>Cordset, single ended</td></tr<>	Connector Type:	Cordset, single ended
Autober of Pine Autober of Pine Doding: A Solidig: A Shelding: Unshielded Stread Voltage: Central Screw Sated Voltage: Sol V Sated Voltage: Sol V Stread Voltage: Sol V Sated Voltage: Sol V Sated Voltage: Sol VAC/DC Stread Voltage: Sol VAC/DC Sated Current': In A Sated Current': In A Sated Current (SA): Sol VAC/DC Sated Current (SA): Sol VAC/DC Sated Current (SA): Sol Mo So	Type of Contact / Gender:	Socket Contact / Female
Coding:AAinelidadiUnsileidadiShieldadiCentral ScrewAtachment Type:Go VaAtach Voltage:So VaAtach Voltage (UL):So VaNation Resistance:So VaSo VaSo So VaSo NamiSo VaSo Va (UL):So VaSo Va (UL): <td< td=""><td>Connector Design:</td><td>Angled (90°) Body</td></td<>	Connector Design:	Angled (90°) Body
Shielding: Unshielded Attachment Type: Central Screw Rated Voltage: 50 V Stack Voltage: 60 V Stack Voltage: 60 V Stack Current': 10 A Stack Current (UL)*: 6 Stack Current (UL)*: 50 S Stack Current (SA)*: 50 S Stack Current (SA)*: 50 S Stacharent (SA)*: 50 S <	Number of Pins:	2
And Marken Type: Central Screw Central Screw Solv Rated Voltage: Solv Rated Voltage (CSA): Solv Rated Impulse Voltage: AuKV Solv AC/DC SolvAC/DC Rated Impulse Voltage: SolvAC/DC Rated Current (L): SolvAC/DC Rated Current (L): SolvAC/DC Rated Current (CSA): SolvAC/DC SolvAC/DC SolvAC/DC Contact Resistance: SolvAC/DC SolvAC/DC SolvAC/DC Contact Resistance: SolvAC/DC SolvAC/DC SolvAC/DC Contact Resistance: SolvAC/DC SolvAC/DC SolvAC/DC Conductor Cross Section: SolvAC/DC SolvAC/DC SolvAC/DC SolvAC/DC <td>Coding:</td> <td>A</td>	Coding:	A
Arted VoltageSo VRated Voltage (UL):So VRated Voltage (CSA):So VRated Inpulse Voltage:40 kVSo V AC/DCSo VAC/DCRated Current*:10 ARated Current*:6 AContact Resistance:s 10 nonSo VAC/DCSo VAC/DCContact Resistance:s 10 nonSo VAC/DCSo VAC/DCContact Resistance:s 10 nonSo VAC/DCSo VAC/DCContact Resistance:s 10 nonSo VAC/DCSo VAC/DCConductor Cross Section:s 50 conceptionerSo VAC/DCSo VAC/DCConductor Cross Section:s 55 °C 1 Extended Temperature - 40 °C + 105 °C with additional gasket accessory, 934887001]Operating Temperature (Operatione):s 55 °C 1 extended Temperature - 40 °C + 105 °C with additional gasket accessory, 934887001]Operating Temperature (DCF):max + 85 °CSo VACIDC Sectione Degree / IP Rating*:Pols (PG (PEG9K: without additional gasket; max + 80 °C)Design Standar:D INE N17501-803-A, ISO 4400Pollution Degree:S acc: to DIN EN 60664-1 (VDE 0110-1)Clearance / Creepage Distance:D INE N60664-1 (VDE 0110-1)	Shielding:	Unshielded
Arade Voltage (UL):S0 VAtaded Voltage (CSA):S0 VAtaded Voltage:S0 VAtade Impulse Voltage:S0 VACDCOperating Voltage:S0 VACDCAtade Current:IO AAtade Current:IO AAtade Current:S0 VACDCAtade Current:S0 VACDCContact Resistance:S10 mOhmInsulation Resistance:S10 mOhmVoltage Corrent:S0 CConductor Cross Section:S0 SOperating Temperature (Operation):-25 °C + 85 °C [Extended Temperature - 40 °C + + 105 °C with additional gasket accessory. 934887001]Operating Temperature (CSA):max + 85 °CPortating Temperature (CSA):F05. IP67 (IP69K: without additional gasket; max + 80 °C)Portation Degree:ID61. P10501-803-A, ISO 4400Pollution Degree:S0 c. to DIN EN 60664-1 (VDE 0110-1)Pollution Degree:S0 c. to DIN EN 60664-1 (VDE 0110-1)Charance / Creepage Distance:S0 EX 60000	Attachment Type:	Central Screw
Rated Voltage So V Rated Voltage: So V Rated Impulse Voltage: Au KV Operating Voltage: So VAC/DC Rated Current*: IDA Rated Current*: IDA Rated Current*: GA Rated Current (UL)*: GA Contact Resistance: F0 So Voltage: So Voltage: So Voltage: So Vac/DC Conductor Cross Section: So Vac/DC Conductor Cross Section: So So C Contage Temperature (Operation)*: So So C So So C So So C Contage Temperature (Operation)*: So So C Contage Temperature (Operation)*: So So C So So C So So C Contage Temperature (Operation)*: Image So C Contage Temperature (Operation)*: Image So C Contage Temperatur	Rated Voltage:	50 V
Rated Impulse Voltage:4.0 kVOperating Voltage:50 V AC/DCRated Current*:10 ARated Current (UL)*:6 ARated Current (CSA)*:6 AContact Resistance:510 mOhmsoulation Resistance:10*9 OhmVoltage:50Conductor Cross Section:0.75 mm²Conductor Cross Section:0.75 m²Conductor Cross Section:0.75 m²Conductor Cross Section:0.75 m²Cross Section:0.75	Rated Voltage (UL):	50 V
Operating Voltage: S0 V AC/DC Rated Current (*) 10 A Rated Current (U.)*: 6 A Rated Current (CSA)*: 6 A Contact Resistance: 5 10 mOhm nsulation Resistance: 5 10 mOhm Conductor Cross Section: 5 0 0.75 m ^m 25 °C - 1 85 °C [Extended Temperature - 40 °C - + 105 °C with additional gasket accessory, 934887001] Operating Temperature (Operatur): max + 85 °C Protection Degree / IP Rating*: IPOS (IPOS) * without additional gasket; max + 80 °C) Protection Degree; INEN 175301-803-A, ISO 4400 Pollution Degree; 3 acc. to INI EN 06664-1 (VDE 0110-1) Clearance / Creepage Distance: INI EN 06664-1 (2008/01); VDE 0110-1	Rated Voltage (CSA):	50 V
Rated Current*: 10 A Rated Current (UL)*: 6 A Rated Current (CSA)*: 6 A Contact Resistance: 10 m0hm Stated State Current (CSA)*: 5 0 Contact Resistance: 5 0 Conductor Cross Section: 0.75 mm ³ Contact Resistance: 25 °C - + 85 °C [Extended Temperature - 40 °C - + 105 °C with additional gasket accessory, 934887001] Operating Temperature (UL): max. + 85 °C Protection Degree / IP Rating**: P65, IP67 (IP69K: without additional gasket; max. +80 °C) Design Standard: DIN EN 175301-803-A, ISO 4400 Pollution Degree Gac: to DIN EN 60664-1 (VDE 0110-1) Clearance / Creepage Distance: DIN EN 60664-1 (VDE 0110-1)	Rated Impulse Voltage:	4.0 kV
Rated Current (UL)*: A Rated Current (CSA)*: 6 Contact Resistance: 5 Contact Resistance: 10 ^o Ohm Insulation Resistance: 50 ^o Ont Conductor Cross Section: 0.75 mm ² Conductor Cross Section: 0.75 mm ² Ambient Temperature (Operation)*: 25°C - + 85°C [Extended Temperature - 40°C - + 105°C with additional gasket accessory, 934887001] Operating Temperature (CSA): max + 85°C Protection Degree / IP Rating*: 165. IP67 (IP69K: without additional gasket; max + 80°C) Protection Degree INE N 175301-803-A, ISO 4400 Pollution Degree: 3 ac. to DIN EN 60664-1 (VDE 0110-1) Clearance / Creepage Distance: INE N 60664-1 (VDE 0110-1)	Operating Voltage:	50 V AC/DC
Rated Current (CSA)*: 6 A Contact Resistance: < 10 mOhm	Rated Current*:	10 A
Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10^9 Ohm Mating Cycles: ≤ 50 Conductor Cross Section: 0.75 mm² Ambient Temperature (Operation)*: > 25°C - + 85 °C [Extended Temperature - 40 °C - + 105 °C with additional gasket accessory, 934887001] Operating Temperature (UL): max + 85 °C Protection Degree / IP Rating**: IP65, IP67 (IP69K: without additional gasket; max. + 80 °C) Protection Degree: DIN EN 175301-803-A, ISO 4400 Pollution Degree: Din EN 106664-1 (VDE 0110-1) Description Compared Protection Protection Degree Distance: DIN EN 06664-1 (VDE 0110-1)	Rated Current (UL)*:	6 A
nsulation Resistance: > 10^9 Ohm Mating Cycles: ≤ 50 Conductor Cross Section: 0.75 mm ² 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 (SA): max + 85 °C Protection Degree / IP Rating**: P65, IP67 (IP69K: without additional gasket; max + 80 °C) Protection Degree: Dix N 175301-803-A, ISO 4400 Pollution Degree: 3 acc. to DIN EN 60664-1 (VDE 0110-1) Clearance / Creepage Distance: Dix N 10664-1 (2008/DI; VDE 0110-1)	Rated Current (CSA)*:	6 A
Adding Cycles: Solution value of Cycles Section: 0.75 mm ² Conductor Cross Section: 0.25 °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) Protection Degree: DIN EN 175301-803-A, ISO 4400 Pollution Degree: 3 acc. to DIN EN 60664-1 (VDE 0110-1) Clearance / Creepage Distance: DIN EN 06664-1 (2008/01); VDE 0110-1 <td>Contact Resistance:</td> <td>≤ 10 mOhm</td>	Contact Resistance:	≤ 10 mOhm
Conductor Cross Section: 0.75 mm ² 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 (VDE 0110-1)	Insulation Resistance:	> 10^9 Ohm
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	Mating Cycles:	≤ 50
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	Conductor Cross Section:	0.75 mm ²
Deparating 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	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	Operating Temperature (UL):	max. + 85 °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	Operating Temperature (CSA):	max. + 85 °C
Pollution Degree: 3 acc. to DIN EN 60664-1 (VDE 0110-1) Clearance / Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1	Protection Degree / IP Rating**:	IP65, IP67 (IP69K: without additional gasket; max. +80 °C)
Clearance / Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1	Design Standard:	DIN EN 175301-803-A, ISO 4400
	Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category: III 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:	Brass (CuZn)
Contact Plating:	Copper over Tin (Cu/Sn)
Contact Bearer Material:	Glass-filled Polyamides (PA GF)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	Thermoplastic Polyurethane (TPU)
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Stainless Steel, Philips combi slot
Gasket Material:	Molded Integrated Gasket

Protection Circuitry

Protective Circu	uit:

Additional Technical Data

Recovery Diode (FRD)

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

Cable Data

Cable Number:	606
Conductor Size:	0.75 mm ²
Number of Wires:	2
Minimal Bending Radius (Fixed Inst):	>4xD
Minimal Bending Radius (Flexible Inst):	>7.5 x D
Cycles (Bending):	> 5 mio

Conductor material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Grey
Cable Diameter D:	Ø 5.5 mm [0.217 "]
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	Ø 1.92 mm [0.08 "]
Ambient Temperature (Fixed Installation):	- 40 °C to + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 20 °C to + 90 °C (UL: + 80 °C)
UL Cable Type:	AWM: 21198
Flammability Class (Cable Jacket):	IEC 60332-1, DIN VDE 0472 Teil 804 test method B; UL/CSA FT2
Cable Characteristics:	resistant against solvents, acids and alkalis, resistant against UV and ozone

Approvals

UL-File:	E315587
UL:	UL 2238; cULus
VDE:	Yes

Safety & Environmental Compliance

RoHS Compliant:	Yes
Resistances	

Halogenfree:	Yes
Oil Resistance:	VDE 0250 and 0472

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
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.

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