



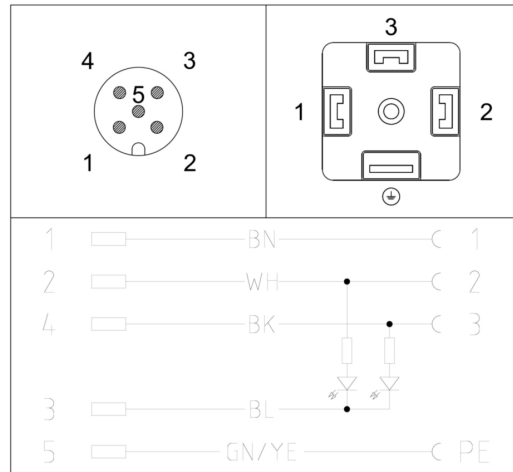
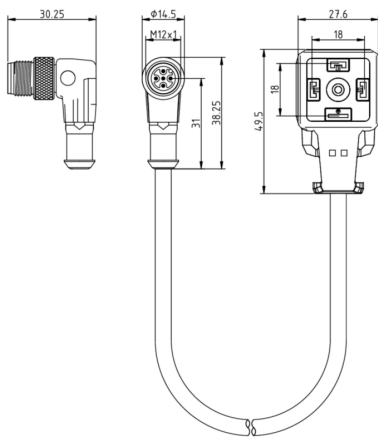
Product: [RSWT 5-GAN3ZLU-P1J-228](#)

M12-Form A | M12- Male 90° | #Contacts: 5 | Form A - Female 90° | #Contacts: 3+ PE | Dual Pressure Switch RD/GN LED | 24 V | Cable: Black (PUR); 0.50 mm²; IEC | cURus

Product Description

M12 - Form A, Double-Ended Cordset | M12- Male Angled | #Contacts: 5, A-coded | Form A - Female Angled Cordset | #Contacts: 3+PE | Dual Pressure Switch Red/Green LED | 24 V / 4 A | Cable: Black PUR Jacket; 5x0.50 mm² (20 AWG); IEC | UL 2238; cURus

Technical Drawing



Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	green/yellow

Face View Side 2

Pin 1	Pin 2	Pin 3	PE
brown	white	black	green/yellow

Product Description

Brand:	Hirschmann
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	24 V
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	24 V AC/DC
Current Rating:	4 A

Technical Data Side 1

Side 1 Product Sub Family:	M12 Standard
----------------------------	--------------

Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	Molded M12 Male Angled
Attachment Type:	Coupling Screw
Number of Pins:	5
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Cross Section:	0.50 mm ²
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
Side 1 Design Standard:	IEC 61076-2-101
Side 1 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)
Contact Base Material:	Copper Alloy (CuSn)
Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Thermoplastic Polyurethane (TPU)
Molded Body Color:	Grey Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Copper Alloy (CuZn)
Attachment Plating:	Nickel (Ni)
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	1. Do not connect or disconnect under load.

Cable Data

Cable Number:	228
Conductor Size:	0.5 mm ²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 mio
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor Material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Black
Cable Diameter D:	Ø 5.4 mm 0.213"
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	Ø 1.50 mm 0.06"
Ambient Temperature (Fixed Installation):	- 50 °C to + 105 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C to + 105 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C to + 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:	Flexibility: Excellent Abrasion Resistance: Excellent Oil & Chemical Resistance: Excellent UV Resistance: Good to excellent Low Temp Performance: Excellent (flexible to -40°C) Flame Retardance: Varies Halogen-Free: Yes Mechanical Durability: High (resists impact, tear, and flex) Environmental Suitability: Outdoor, oily, wet, or rough environments

Technical Data Side 2

Side 2 Product Sub Family:	GAN - cURus 2238
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	Molded Form A Angled
Attachment Type, Side 2:	Center Screw
Number of Pins, Side 2:	3+PE (PE at cable exit)
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 ⁹ Ohm
Mating Cycles, Side 2:	≤ 50
Ambient Temperature (Operation), Side 2*:	- 25 °C - + 85 °C [Extended Temperature - 40 °C - + 105 °C with additional gasket accessory, 934887001]
Protection Degree / IP Rating, Side 2**:	IP65, IP67 (IP69K: without additional gasket; max. +80 °C)
Design Standard, Side 2:	DIN EN 175301-803-A, ISO 4400
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance, Side 2:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	Copper Alloy (CuZn)
Contact Plating, Side 2:	Copper over Tin (Cu/Sn)
Contact Bearer Material, Side 2:	Glass-filled Polyamides (PA GF)
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0
Molded Body Material, Side 2:	Thermoplastic Polyurethane (TPU)
Molded Body Color, Side 2:	Grey Translucent
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Steel, Philips combi slot
Protection Circuitry, Side 2:	Dual Pressure Switch Functionality (red & green LED)
Function Indicator, Side 2:	Dual red-green LEDs (pressure switch)
Protective Circuit, Side 2:	Pressure Switch Functionality
Fastening Torque (Attachment), Side 2:	Form A: (50-60) Ncm, hand-tight
Accessories to Order Separately, Side 2:	934887001 - GAN EPDM gasket and holding clip
Note, Side 2:	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.

Approvals

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

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

Resistances

Halogenfree:	Yes
Oil Resistance:	Good chemical and oil resistance

Notes

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 Derating:	Notice derating
Update and Revision:	Revision Number: 0.18 Revision Date: 05-04-2026

© 2026 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 "ASIS" 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.