



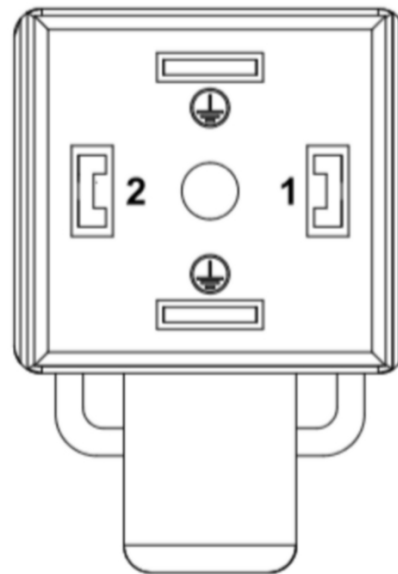
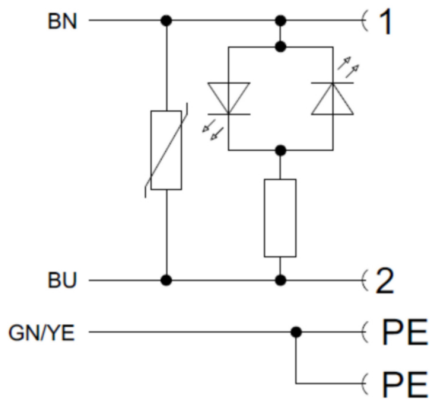
Product: [VAD 1A-2-3-226](#) 

VAD - DIN Standard Single-Ended Cordset: Form A, 3-pin (2+2PE), grey translucent body, with Varistor and Yellow LED, 110 V , 4 A; PUR black cable

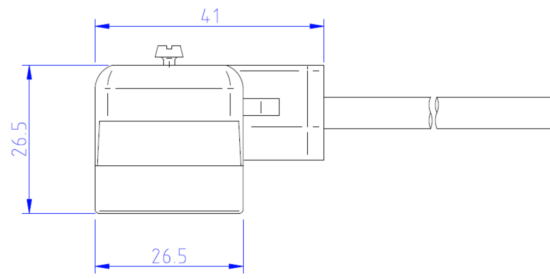
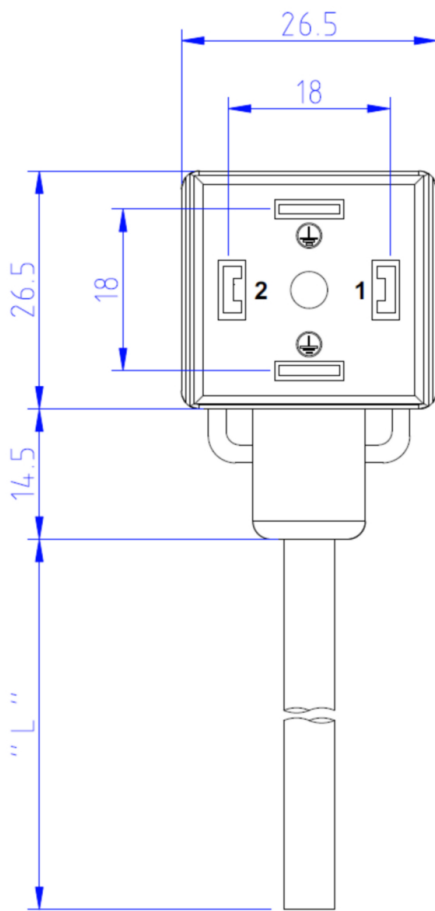
Product Description

VAD - 175301-803 (DIN 43650), Form A, Female, Angled, 18mm, Grey translucent body, 2+2Ground (Protective Earth), with Varistor and Yellow LED, 110 V AC/DC, 4 A; PUR black cable, 3-wires, 0.50 mm²

Technical Drawing



1 = BN
2 = BU
PE = GN/YE



Technical Specifications

Technical Data

Product Family:	Valve Connectors
Product Sub Family:	VAD
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	2+2PE
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	110 V AC/DC
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	110 V AC/DC
Rated Current*:	4 A
Contact Resistance:	≤ 5 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	max. 50
Ambient Temperature (Operation)*:	-25°C to +80°C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	DIN EN 175301-803-A
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 Plating:	Cu/Ni,Sn
------------------	----------

Contact Bearer Material:	PBT
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Transluscent
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:	Varistor

Additional Technical Data

Fastening Torque (Attachment):	(50-60) Ncm
--------------------------------	-------------

Cable Data

Cable Number:	226
Conductor Size:	0.5 mm ²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 4.6 ± 0.2 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.50 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 105 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 105 °C (UL: + 80 °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:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility; Free of lacquer wetting disturbing substances

Safety & Environmental Compliance

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

Resistances

Halogenfree:	no
Oil Resistance:	Good chemical and oil resistance

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

Variants

Item #	Item Description	Cable Length	Replaced By
43837	VAD 1A-2-3-226/10 M	10 m	ID: 934889042 Name: GAN22LU-V21-2261000-1UB
43838	VAD 1A-2-3-226/2 M	2 m	ID: 934889040 Name: GAN22LU-V21-2260200-1UC
43839	VAD 1A-2-3-226/5 M	5 m	ID: 934889041 Name: GAN22LU-V21-2260500-1UC
44160	VAD 1A-2-3-226/3 M	3 m	Name: GAN22LU-V21-2260300-1UC
108073	VAD 1A-2-3-226/16 M	16 m	Name: GAN22LU-V21-2261600-1UB
934637007	VAD 1A-2-3-226/20 M	20 m	ID: 8546 Name: GAN22LU-V21-2262000-1UA
108081	VAD 1A-2-3-226/12 M	12 m	Name: GAN22LU-V21-2261200-1UB
54615	VAD 1A-2-3-226/15 M	15 m	ID: 8545 Name: GAN22LU-V21-2261500-1UB

© 2024 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.