HIRSCHMANN
A BELDEN BRAND



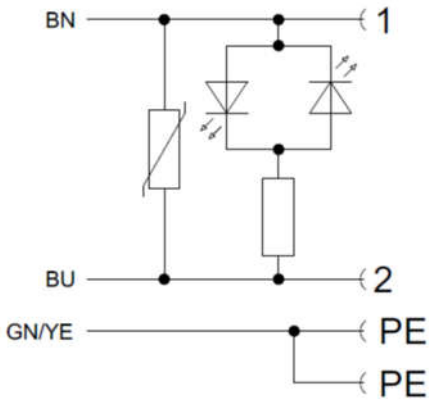
Product: VAD 1A-1-3-226

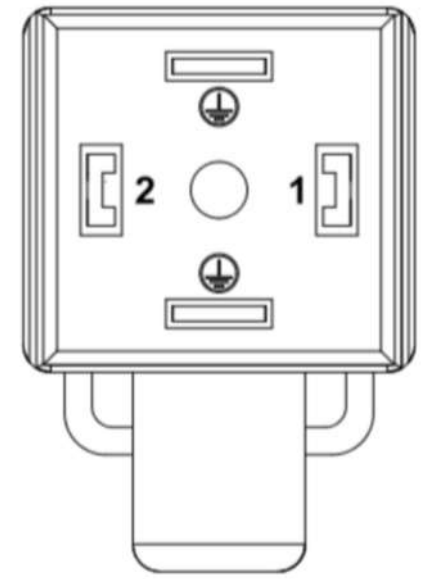
VAD - DIN Standard Single-Ended Cordset: Form A, 3-pin (2+2PE), grey translucent body, with Varistor and Yellow LED, 24 V , 4 A; PUR black cable

Product Description

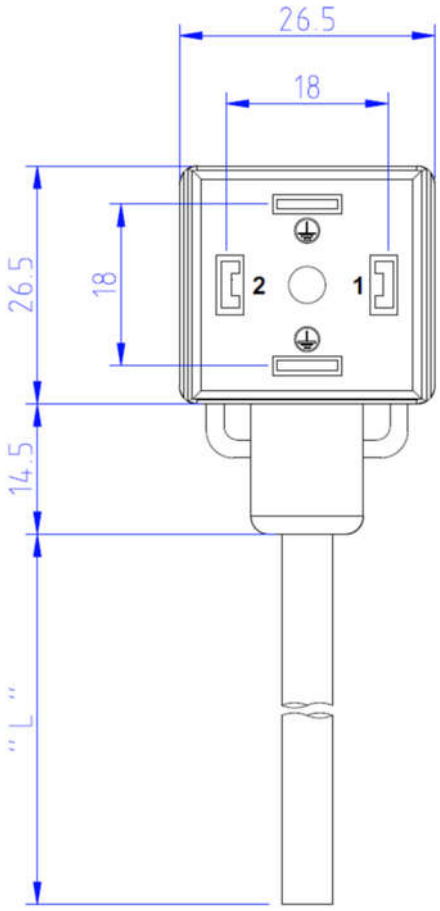
VAD - 175301-803 (DIN 43650), Form A, Female, Angled, 18mm, Grey translucent body, 2+2Ground (Protective Earth), with Varistor and Yellow LED, 24 V AC/DC, 4 A; PUR black cable, 3-wires, 0.50 mm²

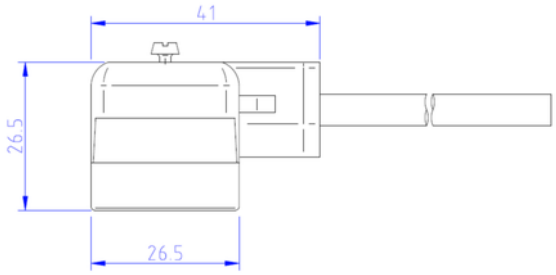
Technical Drawing





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:	24 V AC/DC
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	24 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 Base Material:	CuZn

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 mm²
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
2356	VAD 1A-1-3-226/1,5 M	1.5 m	Name: GAN22LU-V24-2260150-1UD
12135	VAD 1A-1-3-226/10 M	10 m	ID: 934889051 Name: GAN22LU-V24-2261000-1UB
12136	VAD 1A-1-3-226/2 M	2 m	ID: 934889048 Name: GAN22LU-V24-2260200-1UC
12137	VAD 1A-1-3-226/3 M	3 m	ID: 934889049 Name: GAN22LU-V24-2260300-1UC
12138	VAD 1A-1-3-226/5 M	5 m	ID: 934889050 Name: GAN22LU-V24-2260500-1UC
16038	VAD 1A-1-3-226/15 M	15 m	ID: 934889052 Name: GAN22LU-V24-2261500-1UB
43836	VAD 1A-1-3-226/1 M	1 m	Name: GAN22LU-V24-2260100-1UD
45538	VAD 1A-1-3-226/20 M	20 m	ID: 934889053 Name: GAN22LU-V24-2262000-1UA

49867	VAD 1A-1-3-226/0,6 M	0.6 m	ID: 934889047 Name: GAN22LU-V24-2260060-1UD
68205	VAD 1A-1-3-226/25 M	25 m	ID: 934889054 Name: GAN22LU-V24-2262500-1UA
20451	VAD 1A-1-3-226/0,68 M	0.68 m	Name: GAN22LU-V24-2260068-1UD
27843	VAD 1A-1-3-226/7 M	7 m	Name: GAN22LU-V24-2260700
884	VAD 1A-1-3-226/30 M	30 m	Name: GAN22LU-V24-2263000

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