

# Product: <u>VBD 1A-1-2-212</u> <sup>[2]</sup>

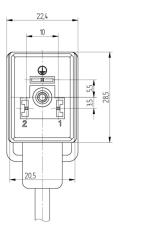
IMAGE COMING SOON

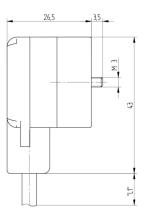
VBD DIN Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE across cable outlet), translucent body, with varistor and yellow LED, 24 V AC/DC, 4 A; PVC black cable, 0.50 mm<sup>2</sup>

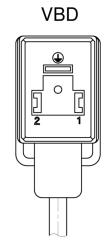
# **Product Description**

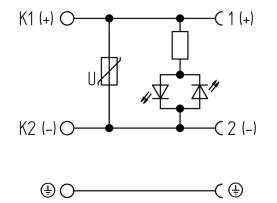
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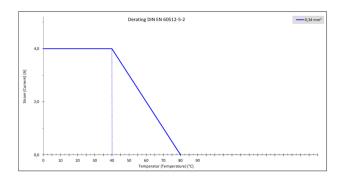
### **Technical Drawing**











## **Technical Specifications**

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Face View	
Pin 1 Pin 2 PE	
brown blue green-yellow	
Technical Data	
Product Family:	Valve Connectors

Product Sub Family:	VBD DIN Standard
Brand:	Hirschmann
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	2+PE (PE across cable outlet)
Coding:	В
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	30 V AC/DC
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	24 V AC/DC
Rated Current*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
Ambient Temperature (Operation)*:	-25 °C - +80 °C
Protection Degree / IP Rating**:	IP65
Design Standard:	DIN EN 175301-803-B, 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:	Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Steel, Philips combi slot

# **Protection Circuitry**

Function Indicator:	Yellow LED
Protective Circuit:	Varistor

Fastening Torque (Attachment):	50-60) Ncm	
Cable Data		
Cable Number:	212	
Conductor Size:	0.50 mm <sup>2</sup>	
Number of Wires:	3	
Minimal Bending Radius (Fixed Inst):	> 5 x D	
Minimal Bending Radius (Flexible Inst):	> 10 x D	
Conductor material:	Cu	
Cable Jacket Material:	PVC	
Cable Jacket Color:	black	
Cable Diameter D:	ø 5.0 ± 0.2 mm	
Wire Insulation Material:	PVC	
Insulated Wire Diameter:	ø 1.70 mm	
Ambient Temperature (Fixed Installation):	- 40 °C - + 70 °C	
Ambient Temperature (Flex Installation):	+ 5 °C - + 70 °C	
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2	
Cable Characteristics:	Free of lacquer wetting disturbing substances; Exclusion of silicone	

#### Safety & Environmental Compliance

RoHS Compliant:	mpliant: yes	
Resistances		
Halogenfree:	no	
Oil Resistance:	Good chemical and oil resistance	

#### Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	$^{\star\star}$ only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

#### Variants

Item #	Item Description	Cable Length
12235	VBD 1A-1-2-212/5 M	5 m
46937	VBD 1A-1-2-212/10 M	10 m
12234	VBD 1A-1-2-212/2 M	2 m
11426	VBD 1A-1-2-212/15 M	15 m

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