



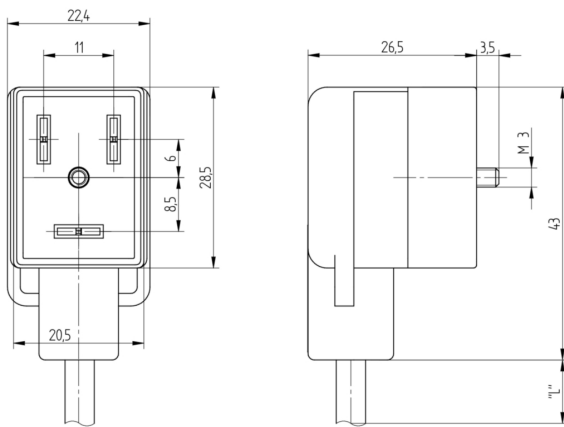
Product: [VB 1B-1-1-212](#)

VB Industrial Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE at cable outlet), translucent body, with supressor diode and yellow LED, 24 V AC/DC, 4 A; PVC black cable, 0.50 mm²

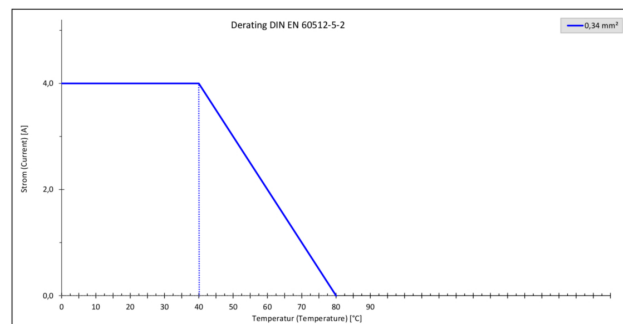
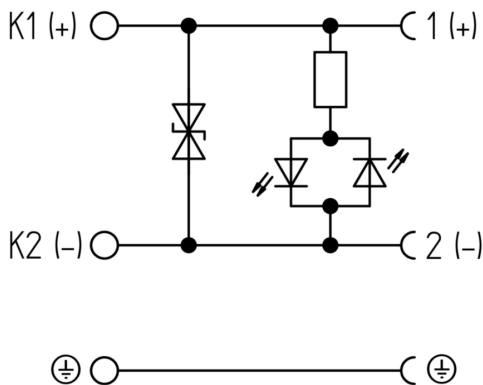
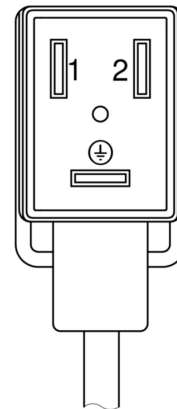
Product Description

VB Industrial Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE at cable outlet), translucent body, with supressor diode and yellow LED, 24 V AC/DC, 4 A; PVC black cable, 0.50 mm²

Technical Drawing



VBZ



Technical Specifications

Face View

Pin 1	Pin 2	PE
brown	blue	green-yellow

Technical Data

Product Family:	Valve Connectors
-----------------	------------------

Product Sub Family:	VB Industrial Standard
Brand:	Hirschmann
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	2+PE (PE at cable outlet)
Coding:	B
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
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:	Supressor diode

Additional Technical Data

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

Cable Data

Cable Number:	212
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
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:	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.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
12205	VB 1B-1-1-212/2 M	2 m
12206	VB 1B-1-1-212/5 M	5 m
46931	VB 1B-1-1-212/10 M	10 m
108201	VB 1B-1-1-212/6 M	6 m

© 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.