



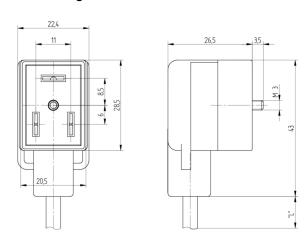
Product: <u>VB 1A-1-2-226</u> □

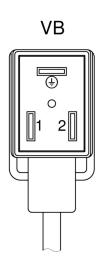
VB Industrial Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE across cable outlet), translucent body, with varistor and yellow LED, 24 V AC/DC, 4 A; PUR black cable, 0.50 mm²

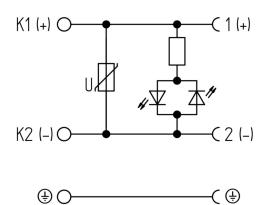
Product Description

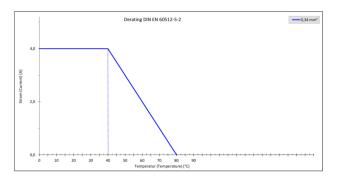
VB Industrial Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE across cable outlet), translucent body, with varistor and yellow LED, 24 V AC/DC, 4 A; PUR black cable, 0.50 mm²

Technical Drawing



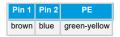






Technical Specifications

Face View



Technical Data

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 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
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

Additional Technical Data

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

Cable Data

Cable Number: 226 Conductor Size: 0.50 mm² Number of Wires: 3 Minimal Bending Radius (Fixed Inst): >5 x D Minimal Bending Radius (Fixeible 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 Jacket Color: 4.6 ± 0.20 mm Wire Insulation Material: P Insulated Wire Diameter: 4.1.50 mm Ambient Temperature (Fixed Installation): 25 °C + 115 °C (UL: +80 °C) Ambient Temperature (Flex Installation): 25 °C - +105 °C (UL: +80 °C) Ambient Temperature (Flex Installation): 25 °C - +60 °C		
Number of Wires: S 5 x D Minimal Bending Radius (Fixed Inst): S 5 x D Minimal Bending Radius (Flexible Inst): S 5 x D Minimal Bending Radius (Flexible Inst): S 5 M Cycles (Bending): S 5 M Cycles (Torsion): Conductor material: Cu Cable Jacket Material: DuR Cable Jacket Color: black Cable Jacket Color: black Cable Diameter D: s 4.6 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: s 1.50 mm Ambient Temperature (Fixed Installation): Ambient Temperature (Fixed Installation): - 25 °C - + 105 °C (UL: + 80 °C) Ambient Temperature (Flex Installation): - 25 °C - + 105 °C (UL: + 80 °C)	Cable Number:	226
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 ± 0.20 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): -5 x °C - + 105 °C (UL: + 80 °C)	Conductor Size:	0.50 mm ²
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 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: o 1.50 mm Ambient Temperature (Fixed Installation): -50 °C - + 105 °C (UL: + 80 °C) Ambient Temperature (Fixed Installation): -25 °C - + 105 °C (UL: + 80 °C)	Number of Wires:	3
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:	Minimal Bending Radius (Fixed Inst):	>5 x D
Cycles (Torsion): > 5 M @ ± 360 °/1 m Conductor material: Cu Cable Jacket Material: PUR Cable Jacket Color: black Cable Diameter D: ø 4.6 ± 0.20 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)	Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material: Cu Cable Jacket Material: PUR Cable Jacket Color: black Cable Diameter D: Ø 4.6 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: Ø 1.50 mm Ambient Temperature (Fixed Installation): Ambient Temperature (Flex Installation): -25 °C - + 105 °C (UL: +80 °C)	Cycles (Bending):	> 5 M
Cable Jacket Material: Cable Jacket Color: black Cable Diameter D: Ø 4.6 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: Ø 1.50 mm Ambient Temperature (Fixed Installation): Ambient Temperature (Flex Installation): 25°C - + 105°C (UL: + 80°C)	Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Cable Jacket Color: Cable Diameter D: Ø 4.6 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: Ø 1.50 mm Ambient Temperature (Fixed Installation): Ambient Temperature (Flex Installation): - 25 °C - + 105 °C (UL: + 80 °C) - 25 °C - + 105 °C (UL: + 80 °C)	Conductor material:	Cu
Cable Diameter D: ø 4.6 ± 0.20 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)	Cable Jacket Material:	PUR
Wire Insulation Material: Insulated Wire Diameter: Ambient Temperature (Fixed Installation): Ambient Temperature (Flex Installation): -50 °C - + 105 °C (UL: +80 °C) -25 °C - + 105 °C (UL: +80 °C)	Cable Jacket Color:	black
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)	Cable Diameter D:	ø 4.6 ± 0.20 mm
Ambient Temperature (Fixed Installation): -50 °C - + 105 °C (UL: +80 °C) -25 °C - + 105 °C (UL: +80 °C) -25 °C - + 105 °C (UL: +80 °C)	Wire Insulation Material:	PP
Installation): -25 °C - + 105 °C (UL: +80 °C) Ambient Temperature (Flex Installation): -25 °C - + 105 °C (UL: +80 °C)	Insulated Wire Diameter:	ø 1.50 mm
		- 50 °C - + 105 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst): - 25 °C - + 60 °C	Ambient Temperature (Flex Installation):	- 25 °C - + 105 °C (UL: + 80 °C)
	Ambient Temperature (Drag Chain Inst):	- 25 °C - + 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:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibilty; Free of lacquer wetting disturbing substances	

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	yes
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
43889	VB 1A-1-2-226/2 M	2 m
43891	VB 1A-1-2-226/5 M	5 m
46930	VB 1A-1-2-226/10 M	10 m
43890	VB 1A-1-2-226/3 M	3 m
64145	VB 1A-1-2-226/15 M	15 m
103857	VB 1A-1-2-226/20 M	20 m

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