

Product: <u>VB 1A-1-1-226</u> ⊠

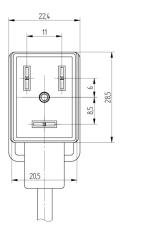
IMAGE COMING SOON

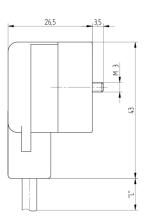
VB Industrial Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE at cable outlet), translucent body, with varistor and yellow LED, 24 V AC/DC, 4 A; PUR black cable, 0.50 mm²

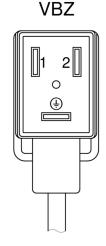
Product Description

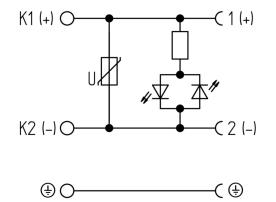
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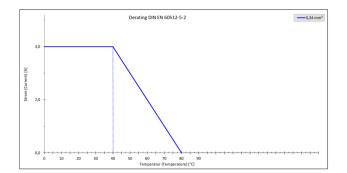
Technical Drawing











Technical Specifications

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

Finder Gereating: Finder Gereating 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: Contral Screw Rated Voltage: 30 V AC/DC Rated Voltage: 40 KV (PCBA 2.0 KV) Operating Voltage: 4 A Rotad Current*: 4 A Insulation Resistance: 10 mOhm Insulation Resistance: 50 Antient Temperature (Operation)*: 25*C + 480 *C	Product Sub Family:	VB Industrial Standard
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: Outral Screw Raded Voltage: 0.V AC/DC Raded Inpulse Voltage: 0.V AC/DC Raded Current*: 4.A Contact Resistance: 10 mOhm Insulation Resistance: 10 mOhm Mating Cycles: 5.0 Atting Cycles: 5.0	•	
Type of Chad Female Connector Design: Angled Number of Pins: 2+PE (PE at cable outlet) Coding: B Shielding: Unshielded Attachment Type: Contrad Screw Rated Voltage: 30 V AC/DC Rated Inpulse Voltage: 40 kV (PCBA 2.0 kV) Operating Voltage: 4A Contact Resistance: 41 mohm Insulation Resistance: 50 Attaing Cycles: 50 Ambient Temperature (Operation)*: 52 °C + 80 °C		
Concertor Design:AngledNumber of Pins:2+PE (PE at cable outlet)Coding:BShielding:UnshieldedAttachment Type:Central ScrewRated Voltage:0 V AC/DCRated Impulse Voltage:4.0 kV (PCBA 2.0 kV)Operating Voltage:4.0 AContact Resistance:4.0Insulation Resistance:>10 nohmMating Cycles:5.0Ambient Temperature (Operation)**5°C +180 °C	Connector Type:	Cordset, single ended
Number of Pins:2+PE (PE at cable outlet)Coding:BShelding:UnshieldedAttachment Type:Central ScrewRated Voltage:30 V AC/DCRated Impulse Voltage:4.0 kV (PCBA 2.0 kV)Operating Voltage:24 V AC/DCRated Current*:4.AStolation Resistance:> 10 mOhmInsulation Resistance:> 50Atting Cycles:2.5 °C - 180 °C	Type of Contact / Gender:	Female
Coding:BShielding:UnshieldedAttachment Type:Central ScrewRated Voltage:0V AC/DCRated Impulse Voltage:4.0 KV (PCBA 2.0 KV)Operating Voltage:4.4Contact Resistance:10 mOhmInsulation Resistance:10°0 hmMating Cycles:5.0Anbient Temperature (Operatin)*:25°C +80°C	Connector Design:	Angled
NoteSheiding:UnshieldedAttachment Type:Central ScrewRated Voltage:30 V AC/DCRated Impulse Voltage:4.0 kV (PCBA 2.0 kV)Operating Voltage:24 V AC/DCRated Current*4.AContact Resistance:510 molmInsulation Resistance:>10*9 OhmMating Cycles:50Ambient Temperature (Operation)**25° c + 80° C	Number of Pins:	2+PE (PE at cable outlet)
Attachment Type:Central ScrewAttachment Type:Central ScrewRated Voltage:30 V AC/DCRated Impulse Voltage:4.0 kV (PCBA 2.0 kV)Operating Voltage:24 V AC/DCRated Current*:4 AContact Resistance:10 mOhmInsulation Resistance:>10% 9 OhmMating Cycles:50Ambient Temperature (Operation)*:5° C + 80 °C	Coding:	В
Rated Voltage:30 V AC/DCRated Impulse Voltage:40 kV (PCBA 2.0 kV)Operating Voltage:24 V AC/DCRated Current*:4 AContact Resistance:4 In mohmInsulation Resistance:> 10*9 OhmMating Cycles:50Ambient Temperature (Operation)*:25 °C + 480 °C	Shielding:	Unshielded
Rated Impulse Voltage:4.0 kV (PCBA 2.0 kV)Operating Voltage:24 V AC/DCRated Current*:4.AContact Resistance:> 10 mOhmInsulation Resistance:> 10*9 OhmMating Cycles:< 50	Attachment Type:	Central Screw
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	Rated Voltage:	30 V AC/DC
Rated Current*: 4 A Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10°9 Ohm Mating Cycles: ≤ 50 Ambient Temperature (Operation)*: -25 °C + 480 °C	Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10°9 Ohm Mating Cycles: ≤ 50 Ambient Temperature (Operation)*: -25 °C + 480 °C	Operating Voltage:	24 V AC/DC
Insulation Resistance: > 10°9 Ohm Mating Cycles: ≤ 50 Ambient Temperature (Operation)*: -25°C - +80°C	Rated Current*:	4 A
Mating Cycles: ≤ 50 Ambient Temperature (Operation)*: -25 °C - +80 °C	Contact Resistance:	≤ 10 mOhm
Ambient Temperature (Operation)*: -25 °C - +80 °C	Insulation Resistance:	> 10^9 Ohm
	Mating Cycles:	≤ 50
Protection Degree / IP Rating**: IP65	Ambient Temperature (Operation)*:	-25 °C - +80 °C
	Protection Degree / IP Rating**:	IP65
Pollution Degree: 3 acc. to DIN EN 60664-1 (VDE 0110-1)	Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance: DIN EN 60664-1 (2008/01); 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)	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 mm ²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	>5xD
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):	- 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 flexibility; 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
92	VB 1A-1-1-226/20 M	20 m
43845	VB 1A-1-1-226/10 M	10 m
43846	VB 1A-1-1-226/2 M	2 m
43847	VB 1A-1-1-226/3 M	3 m
43848	VB 1A-1-1-226/5 M	5 m
43844	VB 1A-1-1-226/1 M	1 m
51035	VB 1A-1-1-226/15 M	15 m
19448	VB 1A-1-1-226/25 M	25 m

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