

IMAGE COMING SOON

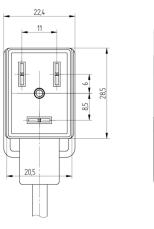
Product: <u>VB 1B-1-1-226</u> ☑

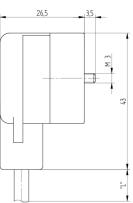
VB Industrial Standard Single-Ended Cordset: Form B, 3-pin (2+1PE; PE at cable outlet), translucent body, with supressor diode and yellow LED, 24 V AC/DC, 4 A; PUR black cable, 0.50 mm²

Product Description

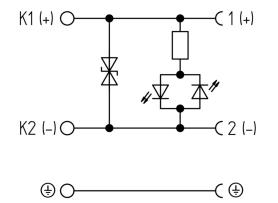
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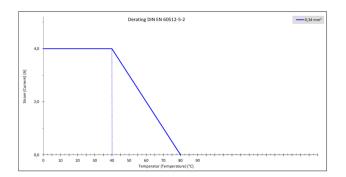
Technical Drawing





VBZ





Technical Specifications

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

Bradi Instmam Connector Ype: Gods. single ended Type of Contact / Gender Finale Connector Ype: Finale Connector Ype: Alged Connect	Product Sub Family:	VB Industrial Standard
Connector Type:Cordset, single endedType of Contact / Gender:FenaleConnector Design:AlgedNumber of Pins:PE (E Et acable outlet)Coding:BShielding:UnshieldedAttachment Type:Contral ScrewRated Voltage:0V A/C/CRated Inpulse Voltage:4.0 K/C/CAALCACOperating Voltage:4.0 K/CAALCACContact Resistance:100 MinInsulation Resistance:5.0 GAttach Typeser (Contage Screw)5.0 GAntiont Typeser (P Retart)165		
Type of Condext / Gender Fendee Connector Design: Angled Number of Pins: 2+PE (PE at cable outlet) Coding: B Shielding: Unshielded Attachment Type: Contral Screw Rated Voltage: 0 V AC/DC Rated Inpulse Voltage: 0 V AC/DC Operating Voltage: 4 A Contact Resistance: 4 A Inpulse Tomperature (Operature) 50 Operature (Screw) Antaine Typese: 50 Operature (Screw)		
Anied Anied Connector Design: Anied Number of Pins: 2+PE (PE at cable outlet) Coding: B Stielding: Unshielded Stielding: Unshielded Attchment Type: Coding: Rade Voltage: 0:V AC/DC Rated Mupulse Voltage: 4.V AC/DC Operating Voltage: 4.V AC/DC Rated Current*: 4.A Insulation Resistance: 10:mohm Joing System: 5.0 Antient Temperature (Operation)* 50°C + 80°C +	Connector Type:	Cordset, single ended
Number of Pins: PE (PE at cable outlet) Coding: B Shelding: Inshelded Attachment Type: Coding: Rade Voltage: OV AC/DC Rated Nupulse Voltage: VA V/CDBA 2.0 kV) Operating Voltage: 4/4 VAC/DC Rated Current*: 4/4 Insulation Resistance: 10 mOhm Nupulse Voltage: 5/0 Om Ating Cycles: 5/0 Om Maniper College Atting Sing Om Maint Temperature (Operating **) PS Protection Digree // PR Rate; PS	Type of Contact / Gender:	Female
Coding: B Shielding: Unshielded Attachment Type: Coding: Raded Voltage: 0 V AC/DC Rated Impulse Voltage: 0.0 V AC/DC Operating Voltage: 0.0 V AC/DC Rated Current*: 4.0 A Contact Resistance: 0.10 NDM Insulation Resistance: 0.0 SO Atting Cycles: 5.0 Anbient Temperature (Operating*): 0.5	Connector Design:	Angled
NumberShiedain:UnshiedainAttachment Type:Central ScrewRated Voltage:30 V AC/DCRated Impulse Voltage:40 KV (PCBA 2.0 KV)Operating Voltage:4V AC/DCRated Current*:4AContact Resistance:10 m0hmInsulation Resistance:50Atting Cycles:50Anbient Temperature (Operating *:ES °C *: 88 °CProtection Degree /I PR Rating*:IPS	Number of Pins:	2+PE (PE at cable outlet)
Attachment Type: Central Screw Attachment Type: 00 V AC/DC Acted Voltage: 00 V AC/DC Acted Impulse Voltage: 4.0 V/ CCBA 2.0 V/ Coperting Voltage: 4.0 V/ CCBA 2.0 V/ Contact Resistance: 4.0 Anonemetic Monomic	Coding:	В
Rad Voltage:30 V AC/DCRade Joutage:40 VC/DSA 2.0 K/JOperating Voltage:40 VC/DCContact Resistance:4.Insulation Resistance:10 no DnMating Cycles:50Anbient Temperature (Operating **)50 CProtection Degree // IP Rating **Fei CProtection Degree // IP Rating **Fei C	Shielding:	Unshielded
Rade Impulse Voltage:A.0kV (PCBA 2.0 kV)Operating Voltage:4/ VAC/DCRated Current*:4.AContact Resistance:5.0 no.DmInsulation Resistance:5.0 no.DmMating Cycles:5.0 no.DmAmbient Temperature (Operating **)5.0 no.DmProtection Degree // IP Rating*:Poil	Attachment Type:	Central Screw
Operating Voltage: 24 V AC/DC Rated Current*: 4 A Contact Resistance: 5 10 mOhm Insulation Resistance: > 10*9 Ohm Mating Cycles: > 50 Ambient Temperature (Operation)*: 25 °C - 480 °C Protection Degree / IP Rating**: IP65	Rated Voltage:	30 V AC/DC
Rated Current*: 4A Contact Resistance: >10 mOhm Insulation Resistance: >10^9 Ohm Mating Cycles: >50 Ambient Temperature (Operation)*: >5° C + 480 °C Protection Degree / IP Rating**: P65	Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Contact Resistance: 10 mOhm 10 mOhm 10 * 00 mOhm 10 * 00 mOhm 50 50 50 * 00 * 00 * 00 * 00 * 00 * 00 * 00 *	Operating Voltage:	24 V AC/DC
Insulation Resistance: > 10^9 Ohm Mating Cycles: ≤ 50 Ambient Temperature (Operation)*: -25 °C - +80 °C Protection Degree / IP Rating**: IP65	Rated Current*:	4 A
Mating Cycles: S 50 Ambient Temperature (Operation)*: -25 °C - +80 °C Protection Degree / IP Rating**: IP65 	Contact Resistance:	≤ 10 mOhm
Ambient Temperature (Operation)*: -25 °C - +80 °C Protection Degree / IP Rating**: IP65	Insulation Resistance:	> 10^9 Ohm
Protection Degree / IP Rating**: IP65	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)	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:	Supressor diode

Additional Technical Data

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

Cable Data

ouble bata	
Cable Number:	226
Conductor Size:	0.50 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 ± 0.20 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
16080	VB 1B-1-1-226/2 M	2 m
44674	VB 1B-1-1-226/5 M	5 m
46932	VB 1B-1-1-226/10 M	10 m
453	VB 1B-1-1-226/2,5 M	2.5 m
51520	VB 1B-1-1-226/3 M	3 m

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