

Low-way plug-in connections

Compact 1.1a (2..3-way)

General information

Illustration



Features

- ▶ BDK contact (advanced version of BSK contact)
- ▶ Molded shield
- ▶ Sealed plug-in connection
- ▶ No. of contacts 2...3
- ▶ Individual wire seal
- ▶ Less space required

Technical description

The compact connector Compact 1.1a is used for the connection of automotive electronic assemblies such as sensors and actuators. The plug-in connection has a radial seal and has individual wire seals for the wiring. The plug-in connection is suitable for engine-compartment installation and for engine-mounted components. This connector also has a molded shield in the area of the radial seal. The compact connector is connected (disconnected) directly and locked by a plastic lug.

Technical features

- ▶ Vibration resistance: 30 g
- ▶ Temperature range: -40...+150° C (contact with gold-plated surface)
- ▶ Degree of protection: IP X4K, X6K, X9K
- ▶ Connection cross-sections: 0.5...2.5 mm²
- ▶ Suitable contacts: BDK 2.8 (advanced version of BSK 2.8) with individual wire seal
- ▶ Contact spacing/posts: 5 mm/2.8 mm

All currently applicable quotation drawings and technical customer documentation for the Compact 1.1a (2..3-way) product category can be found in the internet under www.bosch-connectors.com.

2-way end clip

Illustration



Product information

Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1
Part number	1 928 403 422
Quotation drawing (component)	1 928 A00 257


Technical data

No. of poles	2
Color (FA)	Black
Secondary lock	None
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With plastic lug
Vibration resistance	25 g
Dimensions (L x W x H)	11.50 x 7.10 x 17.40 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Bodywork attachment
Degree of protection	IPX4K, IPX9K

Low-way plug-in connections


Compact 1.1a (2..3-way)

3-way end clip

Illustration	
	
Product information	
Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1
Part number	1 928 403 423
Quotation drawing (component)	1 928 A00 257


Technical data	
No. of poles	3
Color (FA)	Black
Secondary lock	None
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With plastic lug
Vibration resistance	25 g
Dimensions (L x W x H)	11.50 x 7.10 x 22.40 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Bodywork attachment
Degree of protection	IPX4K, IPX9K

Compact connector 1.1a; 2-way

Illustration	
	
Product information	
Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1.1a
Part number	1 928 403 874
Quotation drawing (component)	A 928 000 453

Technical data	
No. of poles	2
Color (FA)	Black
Encoding	1
Secondary lock	None
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With plastic lug
Vibration resistance	30 g
Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	1.00 mm
Applications	Engine attachment
Degree of protection	IPX 4K, 6K, 9K
Other features (SO)	Molded shield

Compact connector 1.1a; 2-way


Illustration	
	
Product information	
Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1.1a
Part number	1 928 403 876
Quotation drawing (component)	A 928 000 453

Technical data	
No. of poles	2
Color (FA)	Brown
Encoding	1
Secondary lock	None
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With plastic lug
Vibration resistance	30 g
Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	1.00 mm
Applications	Engine attachment
Degree of protection	IPX 4K, 6K, 9K
Other features (SO)	Molded shield

Low-way plug-in connections

Compact 1.1a (2..3-way)


Compact connector 1.1a; 2-way

Illustration		Technical data	
		No. of poles	2
		Color (FA)	White
		Encoding	2
		Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield

Product information

Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1.1a
Part number	1 928 403 878
Quotation drawing (component)	A 928 000 453


Compact connector 1.1a; 3-way

Illustration		Technical data	
		No. of poles	3
		Color (FA)	Black
		Encoding	1
		Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	31.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield

Product information

Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1.1a
Part number	1 928 403 966
Quotation drawing (component)	A 928 000 453

Compact connector 1.1a; 3-way

Illustration		Technical data	
		No. of poles	3
		Color (FA)	Black
		Encoding	2
		Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	31.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield


Product information

Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1.1a
Part number	1 928 403 968
Quotation drawing (component)	A 928 000 453


Low-way plug-in connections

Compact 1.1a (2..3-way)


Compact connector 1.1a; 3-way

Illustration		Technical data	
			
Product information			
Product code	VNP-KOMP1-2/3P	No. of poles	3
Designation	Compact connector 1.1a	Color (FA)	blue
Part number	1 928 403 970	Encoding	1
Quotation drawing (component)	A 928 000 453	Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	31.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield

Compact connector 1.1a; 2-way

Illustration		Technical data	
			
Product information			
Product code	VNP-KOMP1-2/3P	No. of poles	2
Designation	Compact connector 1.1a	Color (FA)	Black
Part number	1 928 404 114	Encoding	2
Quotation drawing (component)	A 928 000 453	Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield


Compact connector 1.1a; 2-way

Illustration		Technical data	
			
Product information			
Product code	VNP-KOMP1-2/3P	No. of poles	2
Designation	Compact connector 1.1a	Color (FA)	Gray
Part number	1 928 404 213	Encoding	3
Quotation drawing (component)	A 928 000 453	Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield


Low-way plug-in connections

Compact 1.1a (2..3-way)

Compact connector 1.1a; 2-way


Illustration		Technical data	
		No. of poles	2
		Color (FA)	blue
		Encoding	4
		Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield
Product information			
Product code	VNP-KOMP1-2/3P		
Designation	Compact connector 1.1a		
Part number	1 928 404 215		
Quotation drawing (component)	A 928 000 453		

Compact connector 1.1a; 2-way

Illustration	
	
Product information	
Product code	VNP-KOMP1-2/3P
Designation	Compact connector 1.1a
Part number	1 928 404 655
Quotation drawing (component)	A 928 000 453

Technical data	
No. of poles	2
Color (FA)	Black
Encoding	1
Secondary lock	None
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal (F-VMQ)
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With plastic lug
Vibration resistance	30 g
Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	1.00 mm
Applications	Engine attachment
Degree of protection	IPX 4K, 6K, 9K
Other features (SO)	Molded shield


Compact connector 1.1a; 3-way

Illustration		Technical data	
		Color (FA)	Black/brown/white/blue/gray
		Encoding	All
		Secondary lock	None
		Type of contact	BSK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	31.20 x 16.20 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield
Product information			
Product code	VNP-KOMP1-2/3P		
Designation	Compact connector 1.1a		
Part number	1 928 404 656		
Quotation drawing (component)	A 928 000 453		


Low-way plug-in connections

Compact 1.1a (2..3-way)


Compact connector 1.1a; 3-way

Illustration		Technical data	
			
Product information			
Product code	VNP-KOMP1-2/3P	No. of poles	3
Designation	Compact connector 1.1a	Color (FA)	Black
Part number	1 928 404 657	Encoding	2
Quotation drawing (component)	A 928 000 453	Secondary lock	None
		Type of contact	BSK 2.8
		Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	20 g
		Dimensions (L x W x H)	31.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield

Compact connector 1.1a; 2-way

Illustration		Technical data	
			
Product information			
Product code	VNP-KOMP1-2/3P	No. of poles	2
Designation	Compact connector 1.1a	Color (FA)	Black
Part number	1 928 404 678	Encoding	2
Quotation drawing (component)	A 928 000 453	Secondary lock	None
		Type of contact	BDK 2.8
		Type of seal (plug)	Radial seal (F-VMQ)
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	30 g
		Dimensions (L x W x H)	26.20 x 20.00 x 30.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	1.00 mm
		Applications	Engine attachment
		Degree of protection	IPX 4K, 6K, 9K
		Other features (SO)	Molded shield


2-way end clip

Illustration		Technical data	
			
Product information			
Product code	VAFK	No. of poles	2
Designation	General connection systems, external customers	Color (FA)	Neutral
Part number	1 928 404 886	Secondary lock	None
Quotation drawing (component)	1 928 A00 257	Type of seal (plug)	Radial seal
		Type of seal (cable)	Individual wire seal
		Type of locking (plug)	With plastic lug
		Vibration resistance	25 g
		Dimensions (L x W x H)	11.50 x 7.10 x 17.40 mm
		Temperature range, min./max.	-40 / 150 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IPX4K, IPX9K

Low-way plug-in connections

Compact 1.1a (2..3-way)

3-way end clip

Illustration		Technical data																									
		<table><tr><td>No. of poles</td><td>3</td></tr><tr><td>Color (FA)</td><td>Neutral</td></tr><tr><td>Secondary lock</td><td>None</td></tr><tr><td>Type of seal (plug)</td><td>Radial seal</td></tr><tr><td>Type of seal (cable)</td><td>Individual wire seal</td></tr><tr><td>Type of locking (plug)</td><td>With plastic lug</td></tr><tr><td>Vibration resistance</td><td>25 g</td></tr><tr><td>Dimensions (L x W x H)</td><td>11.50 x 7.10 x 22.40 mm</td></tr><tr><td>Temperature range, min./max.</td><td>-40 / 150 °C</td></tr><tr><td>Contact spacing</td><td>5 mm</td></tr><tr><td>Row spacing</td><td>2.80 mm</td></tr><tr><td>Degree of protection</td><td>IPX4K, IPX9K</td></tr></table>		No. of poles	3	Color (FA)	Neutral	Secondary lock	None	Type of seal (plug)	Radial seal	Type of seal (cable)	Individual wire seal	Type of locking (plug)	With plastic lug	Vibration resistance	25 g	Dimensions (L x W x H)	11.50 x 7.10 x 22.40 mm	Temperature range, min./max.	-40 / 150 °C	Contact spacing	5 mm	Row spacing	2.80 mm	Degree of protection	IPX4K, IPX9K
No. of poles	3																										
Color (FA)	Neutral																										
Secondary lock	None																										
Type of seal (plug)	Radial seal																										
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Degree of protection	IPX4K, IPX9K																										
Product information																											
Product code		VAFK																									
Designation		General connection systems, external customers																									
Part number		1 928 404 887																									
Quotation drawing (component)		1 928 A00 257																									