Compact 3 (2..6-way)

General information



Features

- Check slide (CPA)
- Sealed plug-in connection
- ▶ No. of contacts 2...5
- Individual wire seal
- Secondary lock

Technical description

The compact connector Compact 3 is used for the connection of such automotive electronic assemblies 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. For greater contact reliability, the connector features a secondary lock. The compact connector is connected (disconnected) directly. Proper connection of the plug to the interface can be checked using the slide (CPA). The slide can only be locked if the connector has been fitted correctly.

Technical features

- ▶ Vibration resistance: 20...30 g (depending on number of poles)
- ▶ 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

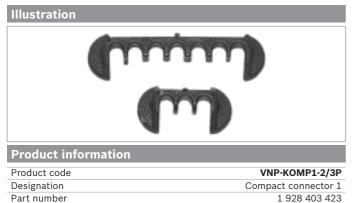
All currently applicable quotation drawings and technical customer documentation for the Compact 3 (2..6-way) product category can be found in the internet under <u>www.bosch-connectors.com</u>.

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

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

Compact 3 (2..6-way)

3-way end clip

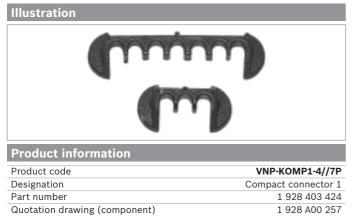


1 928 A00 257

3
Black
None
Radial seal
Individual wire seal
With plastic lug
25 g
11.50 x 7.10 x 22.40 mm
40 / 150 °C
5 mm
2.80 mm
Bodywork attachment
IPX4K, IPX9K

4-way end clip

Quotation drawing (component)



Technical data	
No. of poles	4
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 27.40 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

Illustration	
)
Product information	
Product code	VNP-KOMP2-4//7P
Designation	Compact connector 2
Part number	1 928 403 425
Quotation drawing (component)	1 928 A00 257

No. of poles	5
Color (FA)	Black
Secondary lock	None
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With slide
Vibration resistance	24 g
Dimensions (L x W x H)	11.50 x 7.10 x 32.40 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

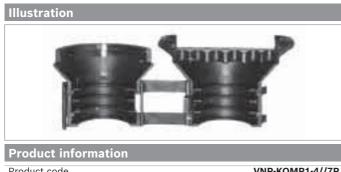
Compact 3 (2..6-way)

6-way end clip

Illustration	
Product information	
Product code	VNP-KOMP1-4//7P
Designation	Compact connector 1
Part number	1 928 403 426
Quotation drawing (component)	1 928 A00 257

Technical data	
No. of poles	6
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 37.40 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Bodywork attachment
Degree of protection	ІРХ4К, ІРХ9К

6-way end clip with grooved tubular connection



Product code	VNP-KOMP1-4//7P
Designation	Compact connector 1
Part number	1 928 403 432
Quotation drawing (component)	1 928 A00 257

Technical data	
No. of poles	6
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)	26.10 x 37.40 x 29.20 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 3; 5-way

Illustration	
	53
Product information	
Product code	VNP-KOMP3-4//7P
Designation	Compact connector 3
	1 928 404 156
Part number	1 320 404 130

No. of poles	5
Color (FA)	Black, CPA = yellow
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With check slide
Vibration resistance	20 g
Dimensions (L x W x H)	46.60 x 22.60 x 31.50 mm
Temperature range, min./max	к40 / 150 °С
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 3 (2..6-way)

Compact connector 3; 4-way



No. of poles	4
Color (FA)	Black, CPA = yellow
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	By check slide
Vibration resistance	20 g
Dimensions (L x W x H)	41.60 x 22.60 x 31.50 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 3; 3-way



No. of poles	3
Color (FA)	Black, CPA = yellow
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	By check lever
Vibration resistance	20 g
Dimensions (L x W x H)	36.50 x 20.60 x 31.50 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 3; 2-way



Technical data	
No. of poles	2
Color (FA)	Black, CPA = yellow
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	By check slide
Vibration resistance	20 g
Dimensions (L x W x H)	31.50 x 20.60 x 31.50 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 3 (2..6-way)

Compact connector 3; 3-way



No. of poles	3
Color (FA)	Black, CPA = yellow
Encoding	2
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With check slide
Vibration resistance	20 g
Dimensions (L x W x H)	36.50 x 20.60 x 31.50 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 3; 2-way



Technical data	
No. of poles	2
Color (FA)	Brown, CPA = yellow
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With check slide
Vibration resistance	20 g
Dimensions (L x W x H)	31.50 x 20.60 x 31.50 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 3; 2-way



No. of poles	2
Color (FA)	White, CPA = yellow
Encoding	2
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With check slide
Vibration resistance	20 g
Dimensions (L x W x H)	31.50 x 20.60 x 31.50 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 3 (2..6-way)

Compact connector 3; 3-way



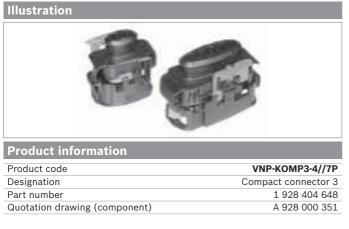
No. of poles	3
Color (FA)	blue, CPA = yellow
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With check slide
Vibration resistance	20 g
Dimensions (L x W x H)	36.50 x 20.60 x 31.50 mm
Temperature 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 3; 5-way (no CPA)



Technical data	
No. of poles	5
Color (FA)	Black
Encoding	1
Secondary lock	Sliding pin
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Vibration resistance	20 g
Dimensions (L x W x H)	46.60 x 22.60 x 31.50 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
Comments	Special version; without CPA for Bosch
	HFM5 use only, not released for any other
	applications

Compact connector 3; 6-way



Technical data	
No. of poles	6
Color (FA)	Black, CPA = yellow
Type of contact	BDK 2.8
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With check slide
Vibration resistance	20 g
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Engine attachment
Degree of protection	IP X 4,6,9K

Compact 3 (2..6-way)

2-way end clip

Illustration		
Product information Product code VAFK		
Designation	General connection sys	stems, external customers
Part number		1 928 404 886
Quotation drawing (component)	1 928 A00 257

Technical data	
No. of poles	2
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 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	ІРХ4К,ІРХ9К

3-way end clip

Illustration		
Product information		
Product code		VAFK
Designation	General connection sy	stems, external customers
Part number		1 928 404 887
Quotation drawing (o	omponent)	1 928 A00 257

Technical data	
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

Illustration		
Product information		
Product code	VAFK	
Designation General connection system	is, external customers	
Part number	1 928 404 888	
Quotation drawing (component) 1 928 A00		

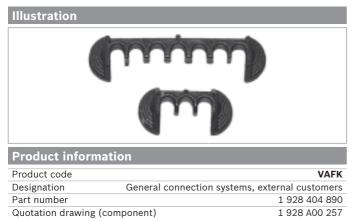
No. of poles	4
Secondary lock	None
Type of seal (plug)	Radial seal
Type of seal (cable)	Individual wire seal
Type of locking (plug)	With plastic lug
Vibration resistance	25 g
Dimensions (L x W x H)	27.40 x 11.50 x 7.10 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Engine attachment
Degree of protection	IPX4K, IPX9K

Compact 3 (2..6-way)

5-way end clip

Illustration		
Product information Product code VAFK		
Designation	General connection system	ns, external customers
Part number		1 928 404 889
Quotation drawing (co	omponent)	1 928 A00 257

No. of poles	5
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)	32.40 x 11.50 x 7.10 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Engine attachment
Degree of protection	IPX4K, IPX9K



Technical data	
No. of poles	6
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)	37.40 x 11.50 x 7.10 mm
Temperature range, min./max.	-40 / 150 °C
Contact spacing	5 mm
Row spacing	2.80 mm
Applications	Engine attachment
Degree of protection	IPX4K, IPX9K