

High-way plug-in connections

121-way plug-in connection

General information

Illustration



Features

- ▶ Sealed plug-in connection
- ▶ For attachment to control units in engine compartment
- ▶ Secondary lock
- ▶ Silicone gel seal or individual wire seal
- ▶ High-current and signal contacts

Technical description

The 121-way sealed plug-in connection is suitable for the connection of control units mounted in the engine compartment.

The plug-in connection consists of a 40-way module (8x JPT and 32x BMK contacts) and an 81-way module (5x JPT and 76x BMK contacts). A silicone gel seal (BMK 0.6) and individual wire seals (JPT) are used for the cable. Thanks to the gel seal, no additional sealing (e.g. dummy plugs) is required for non-used signal pins (BMK 0.6) (refer to product information on silicone gel seal). A slide is used for pull-in and locking.

Technical features

- ▶ Vibration resistance: 6 g
- ▶ Temperature range: -40...+105° C
- ▶ Degree of protection: IP 54K, 66K, 69K
- ▶ Connection cross-section:
 - 0.5...2.5 mm² (JPT)
 - 0.35...0.75 mm² (BMK 0.6)
- ▶ Suitable contacts:
 - 13x JPT with individual wire seal
 - 108x BMK 0.6
- ▶ Contact spacing/posts:
 - JPT 5 mm/2.8 mm
 - BMK 0.6: 2.5 mm/0.6 mm

All currently applicable quotation drawings and technical customer documentation for the 121-way plug-in connection product category can be found in the internet under www.bosch-connectors.com.

81-way contact carrier

Illustration



Product information

Product code	VHP-121P-81P
Designation	121-way wiring-harness connector
Part number	1 928 403 454
Quotation drawing (assembly)	A 928 000 321
Quotation drawing (component)	D 928 001 44A

Technical data

No. of poles	81
Color (FA)	Black
Encoding	0
Secondary lock	Sliding pin
Type of contact	BMK 0.6; JPT
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By slide
Vibration resistance	6 g
Dimensions (L x W x H)	88.00 x 36.00 x 32.00 mm
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5 mm
Row spacing	4.00 mm
Applications	Bodywork attachment
Degree of protection	IP 54K; 66K; 69K
Other features (SO)	Module for SV 121-way, secondary lock JPT pre-assembled

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81-way cover

Illustration		Technical data	
		No. of poles	81
		Color (FA)	Black
		Outgoing cable direction (KR)	Flat above slide
		Secondary lock	None
		Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	77.00 x 29.80 x 16.60 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K
		Comments	WW
Product information			
Product code	VHP-121P-81P		
Designation	121-way wiring-harness connector		
Part number	1 928 403 459		
Quotation drawing (assembly)	A 928 000 321		
Quotation drawing (component)	C 928 001 92A		

76-way secondary lock

Illustration		Technical data	
		Color (FA)	Lilac
		Secondary lock	Sliding pin
		Other features (SO)	For BMK 0.6
Product information			
Product code	VHP-121P-81P		
Designation	121-way wiring-harness connector		
Part number	1 928 403 460		
Quotation drawing (assembly)	A 928 000 321		
Quotation drawing (component)	C 928 001 93A		

40-way contact carrier

Illustration		Technical data	
		No. of poles	40
		Color (FA)	Black
		Encoding	0
		Secondary lock	Sliding pin
		Type of contact	BMK 0.6; JPT
		Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	65.00 x 36.00 x 32.00 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	4.00 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K
		Other features (SO)	Module for SV 121-way, secondary lock JPT pre-assembled
Product information			
Product code	VHP-121P-40P		
Designation	121-way wiring-harness connector		
Part number	1 928 403 462		
Quotation drawing (assembly)	A 928 000 321		
Quotation drawing (component)	D 928 001 45A		

High-way plug-in connections

121-way plug-in connection

40-way cover

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 403 467	Outgoing cable direction (KR)	Flat on slide side
Quotation drawing (assembly)	A 928 000 321	Secondary lock	None
Quotation drawing (component)	C 928 001 95A	Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	54.90 x 29.80 x 16.60 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K
		Comments	WW

32-way secondary lock

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Color (FA)	Lilac
Part number	1 928 403 468	Secondary lock	Sliding pin
Quotation drawing (assembly)	A 928 000 321	Type of seal (cable)	Silicone gel seal and individual wire seal
Quotation drawing (component)	C 928 001 96A	Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	25.20 x 15.00 x 2.00 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K
		Other features (SO)	For BMK 0.6

40-way cover

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 403 511	Outgoing cable direction (KR)	45° at top opposite slide
Quotation drawing (assembly)	A 928 000 321	Type of seal (cable)	Silicone gel seal and individual wire seal
Quotation drawing (component)	C 928 002 04A	Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	58.60 x 26.80 x 24.20 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K

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81-way cover

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-81P	No. of poles	81
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 403 609	Outgoing cable direction (KR)	45° at top opposite slide
Quotation drawing (assembly)	A 928 000 321	Secondary lock	None
Quotation drawing (component)	C 928 002 21A	Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	76.00 x 29.00 x 29.00 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K
		Comments	WW

81-way cover

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-81P	No. of poles	81
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 403 856	Outgoing cable direction (KR)	Above slide 45° on side
Quotation drawing (assembly)	A 928 000 321	Secondary lock	None
Quotation drawing (component)	C 928 002 27A	Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	80.00 x 35.00 x 30.00 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Engine attachment
		Degree of protection	IP 54K; 66K; 69K
		Comments	WW

37/40-way cover

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 404 203	Outgoing cable direction (KR)	Above slide 15° on side
Quotation drawing (assembly)	A 928 000 321	Type of seal (cable)	Silicone gel seal and individual wire seal
Quotation drawing (component)	C 928 003 17A	Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	67.00 x 26.80 x 24.80 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K

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40-way contact carrier

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 404 375	Encoding	1-S
Quotation drawing (assembly)	A 928 000 321	Secondary lock	Sliding pin
Quotation drawing (component)	D 928 001 45A	Type of contact	BMK 0.6, JPT
		Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	65.00 x 36.00 x 32.00 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	4.00 mm
		Applications	Bodywork attachment
		Degree of protection	IP45K, IP69K
		Other features (SO)	Module for SV 121-way, sec. lock JPT pre-assembled, FA = black

40-way contact carrier

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Encoding	0-F
Part number	1 928 404 543	Secondary lock	Sliding pin
Quotation drawing (assembly)	A 928 000 321	Type of contact	BMK 0.6, JPT
Quotation drawing (component)	D 928 001 45A	Type of seal (cable)	Silicone gel seal and individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Dimensions (L x W x H)	66.00 x 36.00 x 32.00 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	4.00 mm
		Applications	Bodywork attachment
		Degree of protection	IP54K, IP69K
		Other features (SO)	Module for SV 121-way, sec. lock JPT pre-assembled, better grip, FA = black

40-way cover

Illustration		Technical data	
			
Product information			
Product code	VHP-121P-40P	No. of poles	40
Designation	121-way wiring-harness connector	Color (FA)	Black
Part number	1 928 404 637	Type of seal (cable)	Silicone gel seal and individual wire seal
Quotation drawing (assembly)	A 928 000 321	Type of locking (plug)	By slide
Quotation drawing (component)	C 928 003 33A	Vibration resistance	6 g
		Dimensions (L x W x H)	92.00 x 38.40 x 33.40 mm
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K

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Illustration		Technical data	
		Type of seal (plug)	Radial seal
		Type of seal (cable)	BMK 0.6: Silica gel seal; JPT: Individual wire seal
		Type of locking (plug)	By slide
		Vibration resistance	6 g
		Temperature range, min./max.	-40 / 105 °C
		Contact spacing	5 mm
		Row spacing	2.80 mm
		Applications	Bodywork attachment
		Degree of protection	IP 54K; 66K; 69K
		Product information	
Product code	VHP-121P-40P		
Designation	121-way wiring-harness connector		
Part number	1 928 404 777		
Quotation drawing (assembly)	A 928 000 321		
Quotation drawing (component)	D 928 001 45A		