

High-way plug-in connections

141-way plug-in connection

General information

Illustration



Technical description

The 141-way wiring-harness connector consisting of three modules is a high-way plug-in connection designed for a particularly long service life and for use with common-rail control units.

The plug-in system is suitable for direct attachment to diesel engine crankcases.

A silicone gel seal (BMK 0.6) and individual wire seals (BDK 2.8) are used for the cable. Thanks to the gel seal, no additional sealing (e.g. dummy plugs) is required for non-used signal pins (refer to product information on silicone gel seal). The module covers have mounts for grooved tubes and adapters/angular outlets. Pull-in and locking is by lever (16 and 36-way module), or lever-operated slide (89-way module).

Features

- ▶ Commercial-vehicle engine attachment
- ▶ Integrated secondary lock
- ▶ Silicone gel seal and individual wire seals
- ▶ Suitable for grooved-tube connection
- ▶ 3 modules
- ▶ High-current contacts
- ▶ Signal contacts

Technical features

- ▶ Vibration resistance: approx. 8 g
- ▶ Temperature range: -40° C...+105° C
- ▶ Degree of protection: IP 54K, 66K, 69K
- ▶ Connection cross-sections:
 - 0.5...2.5 mm² (BSK 2.8)
 - 0.5...0.75 mm² (BMK 0.6)
- ▶ Contacts:
 - 41x BSK 2.8 with individual wire seal
 - 100x BMK 0.6
- ▶ Contact spacing/posts:
 - BSK 2.8: 5.8 mm x 5.7 mm
 - BMK 0.6: 2.54 mm x 3.5 mm

All currently applicable quotation drawings and technical customer documentation for the 141-way plug-in connection product category can be found in the internet under www.bosch-connectors.com.

36/16-way cover

Illustration



Technical data

Color (FA)	Black
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Row spacing	5.70 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

Product information

Product code	VHP-141P-36P
Designation	141-way wiring-harness connector
Part number	1 928 404 190
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	C 928 002 88A

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89-way contact carrier

Illustration



Product information

Product code	VHP-141P-89P
Designation	141-way wiring-harness connector
Part number	1 928 404 195
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 78A

Technical data

Type of contact	BDK 2.8
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Row spacing	5.70 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

89-way pre-assembled cover

Illustration



Product information

Product code	VHP-141P-89P
Designation	141-way wiring-harness connector
Part number	1 928 404 196
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 79A

Technical data

No. of poles	89
Outgoing cable direction (KR)	Left/right
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

89-way pre-assembled cover

Illustration



Product information

Product code	VHP-141P-89P
Designation	141-way wiring-harness connector
Part number	1 928 404 197
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 79A

Technical data

No. of poles	89
Outgoing cable direction (KR)	Left/right
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

High-way plug-in connections

141-way plug-in connection

Pre-assembled 36-way contact carrier

Illustration



Product information

Product code	VHP-141P-36P
Designation	141-way wiring-harness connector
Part number	1 928 404 199
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 80A

Technical data

No. of poles	36
Type of contact	BDK 2.8
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

Pre-assembled 36-way contact carrier

Illustration



Product information

Product code	VHP-141P-36P
Designation	141-way wiring-harness connector
Part number	1 928 404 200
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 80A

Technical data

No. of poles	36
Type of contact	BDK 2.8
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

Pre-assembled 16-way contact carrier

Illustration



Product information

Product code	VHP-141P-16P
Designation	141-way wiring-harness connector
Part number	1 928 404 201
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 81A

Technical data

No. of poles	16
Type of contact	BDK 2.8
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

High-way plug-in connections

141-way plug-in connection

Pre-assembled 16-way contact carrier

Illustration



Product information

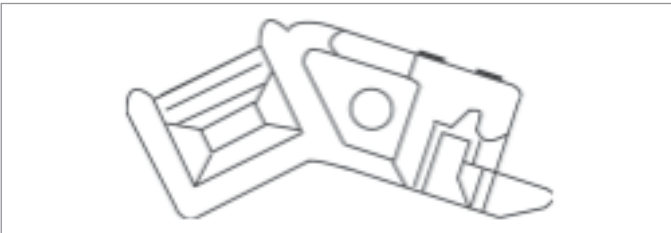
Product code	VHP-141P-16P
Designation	141-way wiring-harness connector
Part number	1 928 404 202
Quotation drawing (assembly)	A 928 000 508
Quotation drawing (component)	D 928 002 81A

Technical data

No. of poles	16
Type of contact	BDK 2.8
Type of seal (cable)	Silicone gel seal and individual wire seal
Type of locking (plug)	By lever
Vibration resistance	8 g
Temperature range, min./max.	-40 / 105 °C
Contact spacing	5.8 mm
Applications	Engine attachment
Degree of protection	IP 54K; 66K; 69K

Strap clip for 141-way plug-in connection

Illustration



Product information

Product code	VAFK
Designation	General connection systems, external customers
Part number	1 928 404 555
Quotation drawing (component)	C 928 003 22A

Technical data