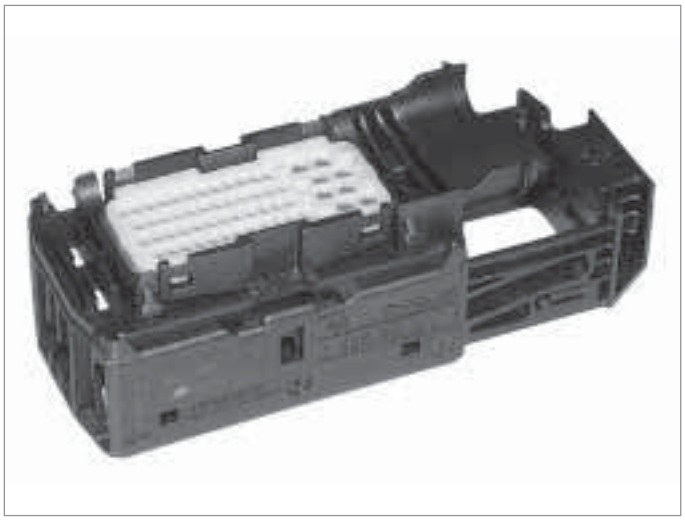
High-way plug-in connections

56-way plug-in connection

General information

Illustration



Technical description

The 56-way wiring-harness connector is a compact high-way plug-in connection for hybrid control units with 0.6 mm signal contacts and 1.5 mm power contacts.
The plug-in system is suitable for direct diesel-engine/diesel-pump attachment.
A silicone gel seal is used for the cable. This means there is no need for additional sealing (e.g. dummy plugs) if not all contacts are used (refer to product information on silicone gel seal). A slide operated by a lever attached to the cover is used for pull-in and locking.

Features

- ▶ Sealed plug-in connection
- ▶ For heavily oscillating loads (attached to: e. g. diesel engines, diesel assemblies)
- ▶ Suitable for use up to 140°C
- ▶ Secondary lock
- ▶ Silicone gel seal

Technical features

- ▶ Vibration resistance: up to 50 g
- ▶ Temperature range: -40...+140° C
- ▶ Degree of protection: IP 54K, 56K, 59K
- ▶ Connection cross-sections:
  0.5...0.75 mm² (BMK 0.6-D)
  0.5...2.5 mm² (BMK 1.5-D)
- ▶ Suitable contacts:
  BMK 0.6-D
  BMK 1.5-D
- ▶ Contact spacing/posts:
  BMK 0.6-D: 2.5 mm/0.6 mm
  BMK 1.5-D: 4.5 mm/1.5 mm

All currently applicable quotation drawings and technical customer documentation for the 56-way plug-in connection product category can be found in the internet under www.bosch-connectors.com.

Strap

Illustration

Technical data

Product information

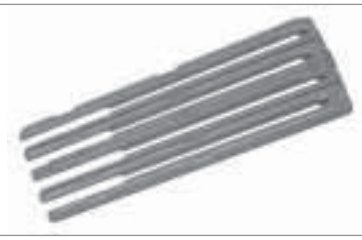
Product code	**VAFK**
Designation	General connection systems, external customers
Part number	1 928 403 358
Quotation drawing (component)	C 928 002 17A

High-way plug-in connections

56-way plug-in connection

56-way secondary lock

Illustration



Product information

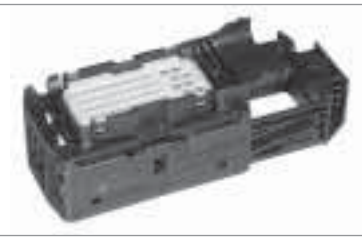
Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 324
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	C 928 002 85A

Technical data

No. of poles	56
Color (FA)	Lilac
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K

Pre-assembled 56-way grip molding

Illustration



Product information

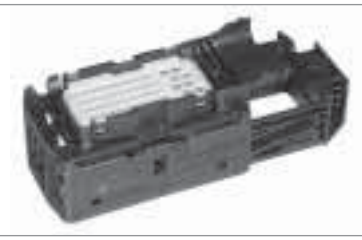
Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 329
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 76A

Technical data

No. of poles	56
Encoding	1
Outgoing cable direction (KR)	Right
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Slide actuation direction, right

Pre-assembled 56-way grip molding

Illustration



Product information

Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 330
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 76A

Technical data

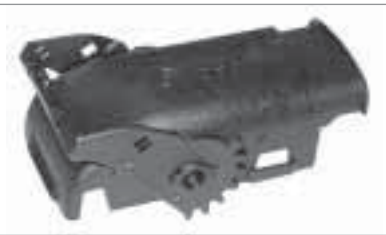
No. of poles	56
Encoding	8
Outgoing cable direction (KR)	Right
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Slide actuation direction, right

High-way plug-in connections

56-way plug-in connection

56-way cover

Illustration



Product information

Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 392
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 77A

Technical data

No. of poles	56
Color (FA)	Black
Outgoing cable direction (KR)	Left/right
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Outgoing cable direction + slide actuation direction right, or outgoing cable direction + slide actuation direction, left

Pre-assembled 56-way grip molding

Illustration

Product information

Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 394
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 76A

Technical data

No. of poles	56
Color (FA)	Black
Encoding	8
Outgoing cable direction (KR)	Left
Type of contact	BMK 0.6-D or BMK 1.5-D
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Dimensions (L x W x H)	93.70 x 43.20 x 40.00 mm
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Row spacing	4.50 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Slide actuation direction, left

Pre-assembled 56-way grip molding

Illustration

Product information

Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 396
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 76A

Technical data

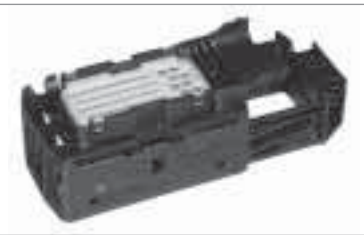
No. of poles	56
Encoding	1
Outgoing cable direction (KR)	Left
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Row spacing	0.60 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Slide actuation direction, left

High-way plug-in connections

56-way plug-in connection

Pre-assembled 56-way grip molding

Illustration



Product information

Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 881
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 76A

Technical data

No. of poles	56
Color (FA)	Black
Encoding	1
Outgoing cable direction (KR)	Right
Type of contact	BMK 0.6-D; BMK 1.5-D
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	60 g
Dimensions (L x W x H)	104.20 x 43.20 x 40.00 mm
Temperature range, min./max.	-40 / 140 °C
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Slide actuation direction, left

56-way pre-assembled cover

Illustration

Product information

Product code	**VHP-56P**
Designation	56-way wiring-harness connector
Part number	1 928 404 882
Quotation drawing (assembly)	A 928 000 502
Quotation drawing (component)	D 928 002 77A

Technical data

No. of poles	56
Color (FA)	Black
Outgoing cable direction (KR)	Right
Type of contact	BMK 0.5-D; BMK 1.6-D
Type of seal (cable)	Silicone gel seal
Type of locking (plug)	By slide
Vibration resistance	50 g
Dimensions (L x W x H)	80.40 x 41.90 x 34.50 mm
Temperature range, min./max.	-40 / 140 °C
Contact spacing	2.5 mm
Row spacing	0.60 mm
Applications	Engine attachment
Degree of protection	IP 54K, 56K, 59K
Other features (SO)	Slide actuation direction, left