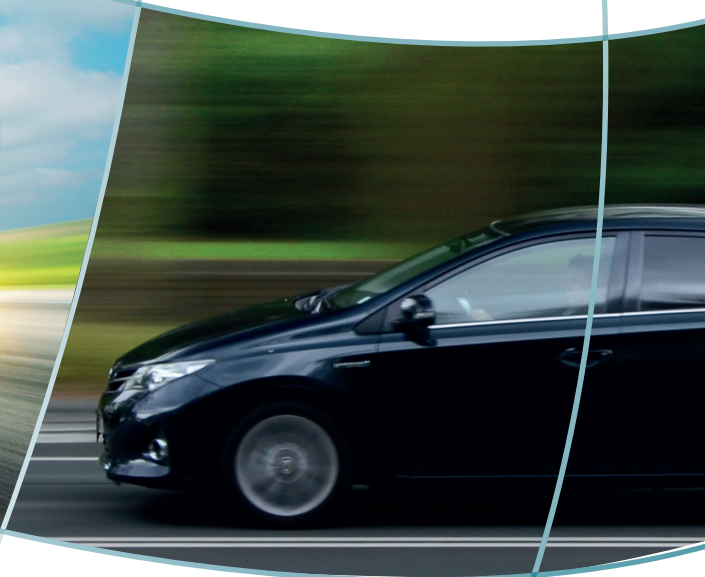# BOSCH PS Connectors

– plug-in connections for maximum loading capacity

HC-CARGO now offers a range of more than 370 different connection parts for powertrain solutions (PS) including chassis parts.
The complete range of PS Connectors can be found at www.hc-cargo.com

In this brochure you find answers to frequently asked questions

Contact reliability for passenger cars, commercial vehicles and 2-wheelers

For decades now, Bosch has successfully supplied the automotive industry with innovative motor-vehicle equipment systems. Right from the start, Bosch works closely with vehicle manufacturers to develop new plug-in connections to satisfy the requirements of the market. The result of this effort is a comprehensive range of high-quality components, systems and modules that enhances the safety, economy and emission standards of motor vehicles.

The range of Bosch connectors extends from plug-in connections for control units, sensors and actuators to terminals and special designs for specific applications.

Outstanding quality and total reliability

Ultra-modern production systems, monitored manufacturing processes and a thorough test concept ensure the highest quality standards and thus reliable and safe connections. Special features for all connectors:
• Long service life
• Well protected against water, moisture and salt spray
• Thermally stable
• Vibration-resistant
• Designed for easy connection and integral assembly

Control Unit Connectors
> 140 product numbers
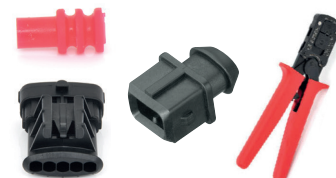Connectors designed for electronic control units for efficient powertrains and driver safety

Sensor & Actuator Connectors
> 120 product numbers
Solutions for sensors and actuators along the powertrain

Terminals
> 7 product numbers
Terminals for reliable power and signal transmission

Tools & Accessories
> 90 product numbers
Caps, clips, seals and dummy terminals

Bosch plug-in connections - *to meet the highest standards*

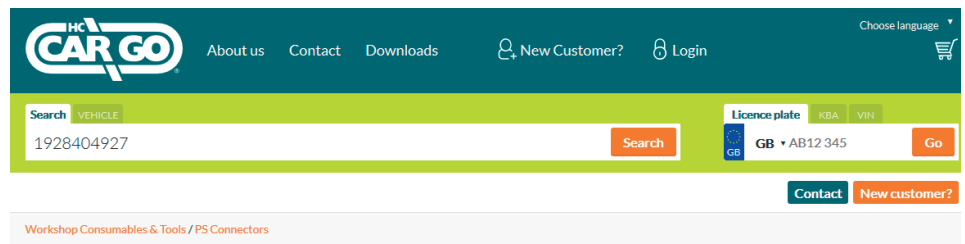**How to find the OE number, which you need for ordering.**

In this case the OE (and order) number is 1928404927. You can also find the respective HC-CARGO number for this item using the OE number in our online shop.

Example:

How to find the right item

1 You find a link to the PS Connectors website on every item via HC-CARGO online shop

About us   Contact   Downloads   New Customer?   Login

Choose language ▼

Search | VEHICLE
1928404927   Search

Licence plate | KBA | VIN
GB ▾ AB12 345   Go

Contact | New customer?

Workshop Consumables & Tools / PS Connectors

193955 - 154P-E EMS / Contact Housing 96P / Code A / Exit right

...d description

..., **Plug** Female, **Colour** Black, **Remarks** For detailed technical data, please visit ...om (use the Bosch reference no.).

...tives

...mation

96
Female
Black

Replacing
1928404927   Bosch

Catalogue information
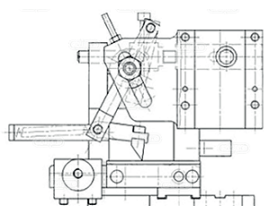Remarks   For detailed technical data, please visit www.bosch-connectors.com (use the Bosch reference no.).

Get access to prices
Why not open an account? It only takes a minute and is free!

Create an account

Contact us

Tools for PS Connectors

You can get ALL PS tools @ HC-CARGO:
- 32 item numbers
- Small, simple tools and spare parts as well as advanced tools

| Standard no.	Bulk no.	Bosch no.	Product name
194421	193694	1928498161	BDK / BSK 2.8 / Crimping Plier / 0.5 - 0.75 - 1 mm²
194422	193695	1928498162	BDK / BSK 2.8 / Crimping Plier / 1.5 - 2.5 mm²
194423	193696	1928498163	BDK / BSK 2.8 / Crimping Tool / 0.5 - 1 mm²
194424	193697	1928498165	BDK / BSK 2.8 / Crimping Tool Wear Parts Set / 0.5 - 1 mm²
194425	193698	1928498168	BDK / BSK 2.8 / Disassembling Tool Spare Pin
194426	193699	1928498212	Matrix 1.2 / Crimping Plier / 0.35 - 0.50 mm²
194427	193700	1928498213	Matrix 1.2 / Crimping Plier / 0.75 - 1.0 mm²
194428	193701	1928498214	Matrix 1.2 / Crimping Plier / 1.5 mm²
194429	193702	1928498715	BTL 2.8 / Disassembling Tool
194430	193703	1928498837	BTC / BTL 1.5 / 2.8 / 4.8 / Crimping Plier
194431	193704	1928498840	BTC / BTL 2.8 / Crimping Plier Insert / 1.5 - 2.5 mm²
194432	193708	1928498997	Matrix 1.2 / CB / Disassembling Tool
194433	193864	1928498755	BCB 0.6 / Disassembling Tool
194434	193869	1928498167	BDK / BSK 2.8 / Disassembling Tool
194435	193873	1928498106	BMK 0.6 / Disassembling Tool
194436	193874	1928498107	BMK 0.6 / Disassembling Tool Spare Pin
194437	193886	1928498708	BTC / BTL 2.8 / Crimping Tool
194438	193890	1928498738	BTC 1.5 / Disassembling Tool
194439	193906	1928498353	GPC / Disassembling Tool
194440	193913	1928498218	Matrix 1.2 / Disassembling Tool
194441	193914	1928498219	Matrix 1.2 / Disassembling Tool Spare Pin
194442	193916	1928498720	Matrix 1.2 / Feed 8 mm / Crimping Tool / 0.35 - 0.50 mm²
194443	193917	1928498721	Matrix 1.2 / Feed 8 mm / Crimping Tool / 0.75 mm²
194444	193918	1928498722	Matrix 1.2 / Feed 8 mm / Crimping Tool / 1.0 mm²
194445	193919	1928498724	Matrix 1.2 / Feed 8 mm / Crimping Tool Wear Parts Set / 0.35 mm²
194446	193920	1928498725	Matrix 1.2 / Feed 8 mm / Crimping Tool Wear Parts Set / 0.75 mm²
194447	193921	1928498726	Matrix 1.2 / Feed 8 mm / Crimping Tool Wear Parts Set / 1.0 mm²
194448	193937	1928498215	Matrix 1.2 / SWS / Crimping Plier / 0.35 - 0.50 mm²
194449	193938	1928498216	Matrix 1.2 / SWS / Crimping Plier / 0.75 - 1.0 mm²
194450	193939	1928498298	Matrix 1.2 / SWS / Disassembling Tool
194451	194221	1928498113	BMK 0.6-D / Disassembling Tool
194452	194222	1928498114	BMK 1.5-D / Disassembling Tool

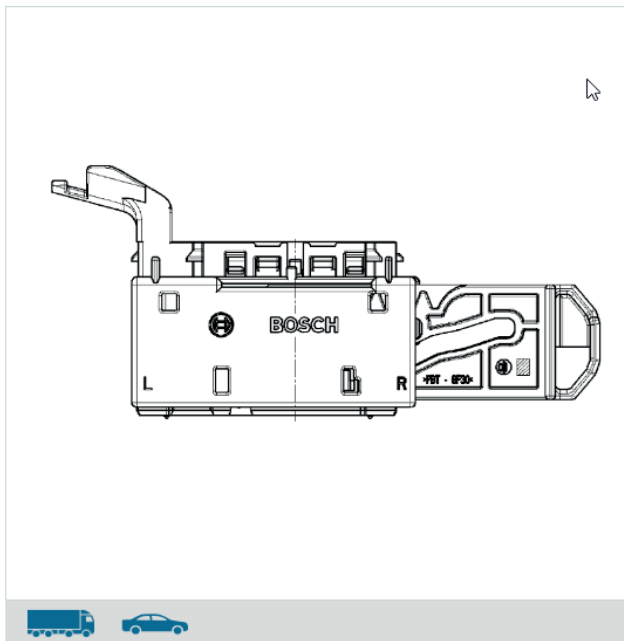**2** **I need the temperature range for the contact housing 1928404780.**
Where can I find this information?

Technical data can be found on the specific product page
www.bosch-connectors.com

193952 (bulk = 193799)
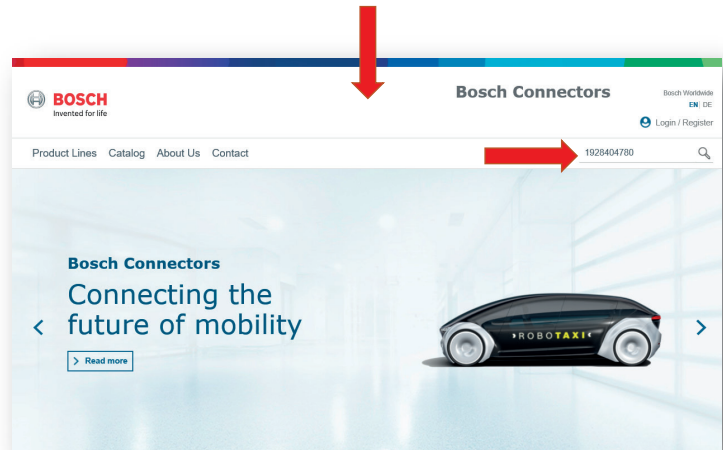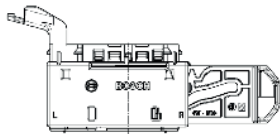
154P-E EMS / Contact Housing 58P / Code A / Exit left

Back to Search

1 928 404 780

Status Active	Packaging Unit **108 piece**

Selected Technical Details

Sealed Connection	**Yes**
Blade Width	**1.2 mm;2.8 mm**
Vibration Resistance	**Car body**
Number Of Positions	**58**

Full Technical Details

Please login to see price and availability at our distributor.

Technical Data
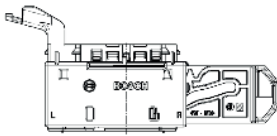
Manufacturer	**Bosch**	Degree Of Protection	**IPX6K, IPX8, IPX9K**
Packing Unit	**108 pc.**	Vibration Resistance	**Car body**
		Vibration Strength	**7 g**
Connection System	**Wire-to-Device**	Temperature Range, Min.	**-40 °C**
Gender	**Female**	Temperature Range, Max.	**125 °C**
Sealed Connection	**Yes**		
Product Type	**Contact Housing**	Terminal Sealing	**Single wire and silicon gel seal**
		Type Of Seal (Connector)	**radial seal**
Number Of Positions	**58**	Type Of Seal (Cable)	**silicone gel-seal for Matrix 1,2 and single wire seal for BDK 2,8**
Code	**A**		
Cable Exit Direction (KR)	**left**	Type Of Locking Mechanism (Connector)	**lever and locking slide**
		Secondary Locking	**Yes**

3 I need a technical drawing for the contact housing 1928404780. Where can I find this?

Drawings can be found on the specific product page
www.bosch-connectors.com
3D models are available for selected items.

193952 (bulk = 193799)
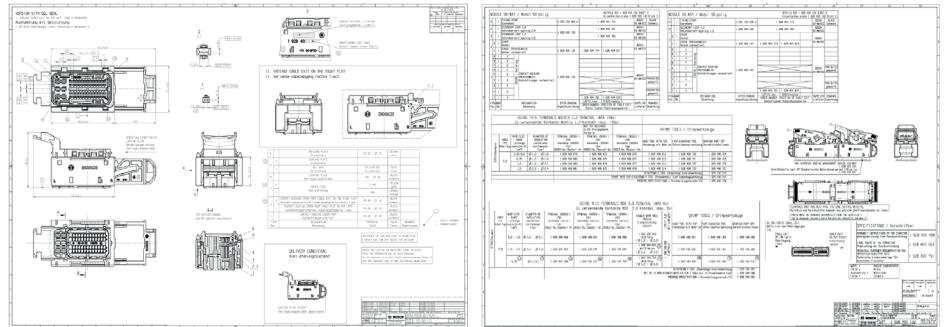

Technical drawings for 1928404780

3D model for 1928404780
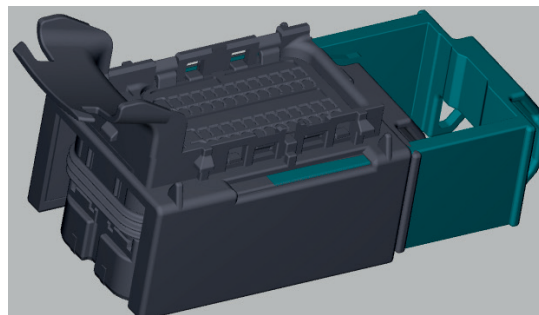
4 Am I allowed to save or send the technical drawings?

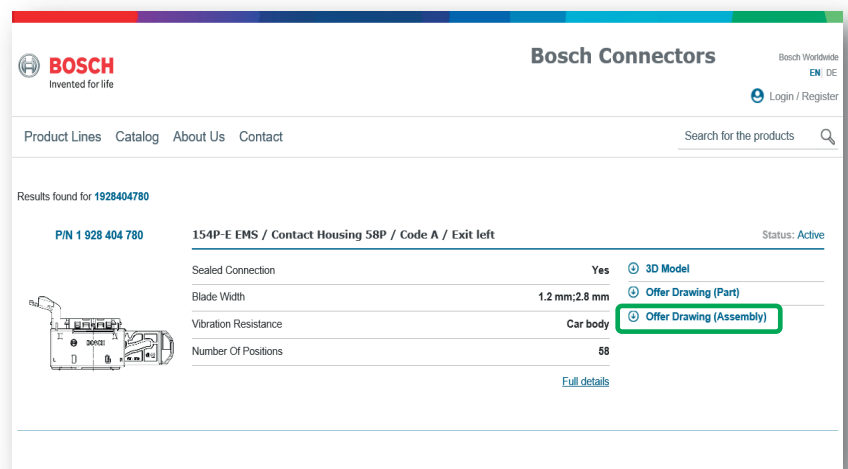Yes, information that is open to the public can be saved and sent.

5 Which terminals are needed for the contact housing 1928404780?

Please find the information in the offer drawing. Here you can find an overview of all usable terminals for different wire cross sections and surface coatings, e.g. tin (Sn), gold (Au) or silver (Ag). www.bosch-connectors.com

193952 (bulk = 193799)

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Results found for **1928404780**

P/N 1 928 404 780

154P-E EMS / Contact Housing 58P / Code A / Exit left   Status: Active

Sealed Connection	Yes	⊕ 3D Model
Blade Width	1.2 mm;2.8 mm	⊕ Offer Drawing (Part)
Vibration Resistance	Car body	⊕ Offer Drawing (Assembly)
Number Of Positions	58	
		Full details

USING THIS TERMINALS MATRIX 1.2-TERMINAL (MAX 148x)
Zu verwendende Kontakte Matrix 1.2-Kontakt (max. 148x)

	CABLE TYPE Kabel typ	WIRE SIZE RANGE Leitungs querschnitt [mm²]	DIAMETER OF INSULATION Isolations-durchmesser [mm]	TERMINAL (BOSCH) (Sn) Kontakte (BOSCH) (Sn) ORDER-No./Bestell-Nr.	NOT YET RELEASED nicht freigegebene Vorserie TERMINAL (BOSCH) (AU) Kontakte (BOSCH) (Au) ORDER-No./Bes	TERMINAL (BOSCH) (AG)
STRIP/Bandware		0.35-0.5	Ø 1.2 - Ø 1.6	1 928 498 679	1 928 498	
	FLR	0.75	Ø 1.7 - Ø 1.9	1 928 498 680	1 928 498	
		1.0	Ø 1.9 - Ø 2.1	1 928 498 680	1 928 498	
		1.5	Ø 2.2 - Ø 2.4	1 928 498 681	1 928 498	

USING THIS TERMINALS BDK 2.8-TERMINAL (MAX 6x)
Zu verwendende Kontakte BDK 2.8-Kontakt (max. 6x)

	CABLE TYPE Kabel typ	WIRE SIZE RANGE Leitungs querschnitt [mm²]	DIAMETER OF INSULATION Isolations-durchmesser [mm]	TERMINAL (BOSCH) (Sn) Kontakte (BOSCH) (Sn) ORDER-No./Bestell-Nr.	TERMINAL (BOSCH) (AU) Kontakte (BOSCH) (Au) ORDER-No./Bestell-Nr.	TERMINAL (BOSCH) (AG) Kontakte (BOSCH) (Ag) ORDER-No./Bestell-Nr.	SINGLE WIRE SEAL (BOSCH) Einzeldichtung (BOSCH)	CAVITY PLUG Blindstopfen
STRIP/Bandware		0.5 - 1.0	Ø 1.2 - Ø 2.1	1 928 498 056	1 928 498 054	1 928 498 058	1 928 300 599 BLUE/Blau (Ø 1.2 - Ø 2.1)	
	FLR	1.5 - 2.5	Ø 2.2 - Ø 3.0	1 928 498 057	1 928 498 055	1 928 498 059	1 928 300 600 ⑯ WHITE/Weiss (Ø 2.2 - Ø 3.0)	1 928 300 601 CLIVER/Kior
		0.35	Ø 1.3-0.1	1 928 499 396	1 928 499 397	1 928 499 395	1 928 300 599 BLUE/Blau (Ø 1.2 - Ø 2.1)	

6 **I need a complete assembly instruction for the contact housing 1928404780. Where can I find this?**

Detailed assembly instructions are not open to the public. You can register at www.bosch-connectors.com to see this information.

Login / Register

Email Address *

Name.name@de.bosch.com

Password *

●●●●●●●●●●●●●●●●

> LOGIN

Not Registered? Click here

Forgot Password?

Standard information

Downloads

Offer Drawing (Part)	1928A00133 ⊕	Technical Customer Documentation	Login/Register to download
Offer Drawing (Assembly)	1928A00132 ⊕	Assembly Instruction	Login/Register to download
3D Model	Login/Register to download	Final Check Instruction	Login/Register to download
3D Model PDF	3D Model PDF ⊕		

After registration

Downloads

Offer Drawing (Part)	1928A00133 ⊕	Technical Customer Documentation	1928A0045T ⊕
Offer Drawing (Assembly)	1928A00132 ⊕	Assembly Instruction	1928A0048M ⊕
3D Model	3D Model ⊕	Final Check Instruction	1928H00063 ⊕
3D Model PDF	3D Model PDF ⊕		

Assembly instruction for 1928404780

7 The contact connector **194459** (1928403874) Kompakt 1.1a / Connector 2P / Code 1 / Black is currently sold out.
Can I use **193752** (**1928403876**) Kompakt 1.1a / Connector 2P / Code 1 / Brown instead?

It depends on your requirements!

OEM requirements: wait until 194459 is available again. For OEM-approved parts deviations are not allowed as changes require enormous effort.

If no requirements: use 193752

PS Connectors Hotline

You can always check out more at: www.bosch-connectors.com

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