



BRIEF INFORMATION

SUPERSEAL plug connectors

- OEM quality
- Reliable and safe
- Maximum protection from external influences

PRODUCT FEATURES

SUPERSEAL plug connectors comply with IEC 529 regulations and DIN ISO 40050, with protection class IP 67, which offers the maximum level of water and dust proofing. The quality of the SUPERSEALS has made them popular wherever other interconnection systems reach their limits due to adverse pressure or humidity conditions.

Its properties make the established concept suitable for a widerange of applications, from the automotive industry and off-road/heavy duty tasks to industrial applications.

Contacts

The SUPERSEAL system is based on a traditional crimp contact concept with additional strand insulation that allows it to meet the stringent sealing requirements. The specially designed pliers can be used to connect and seal cables in a single work step.

Housing








The glass-fibre reinforced PA 6.6 contact housings are sturdy and strong. The click-in system with silicone seal guarantees a clean connection, while the additional secondary locking system holds it in place more firmly and offers greater tensile strength.

SETS

Product Image	Description	Pins		Short designation	Order number	PU*
	<p>2 pin contacts each 1.0–1.5 mm², socket contacts 1.0–1.5 mm², 2 individual cable seals each</p>	1-pin	10	B 03	8KW 744 805-801	1
	<p>3 pin contacts each 1.0–1.5 mm², socket contacts 1.0–1.5 mm², 4 individual cable seals each, 2 blind plugs</p>	2-pin	18	B 04	8KW 744 806-801	1
	<p>4 pin contacts each 1.0–1.5 mm², socket contacts 1.0–1.5 mm², 6 individual cable seals each, 4 blind plugs</p>	3-pin	26	B 05	8KW 744 807-801	1
	<p>5 pin contacts each 1.0–1.5 mm², socket contacts 1.0–1.5 mm², 8 individual cable seals each, 6 blind plugs</p>	4-pin	34	B 06	8KW 744 808-801	1
	<p>6 pin contacts each 1.0–1.5 mm², socket contacts 1.0–1.5 mm², 10 individual cable seals each, 8 blind plugs</p>	5-pin	42	B 07	8KW 744 809-801	1
	<p>7 pin contacts each 1.0–1.5 mm², socket contacts 1.0–1.5 mm², 12 individual cable seals each, 10 blind plugs</p>	6-pin	50	B 08	8KW 744 810-801	1

RANGE OVERVIEW

Product Image	Description	Pins	Contents*	Short designation	Order number	PU*
	Pin housing	1-pin	10	–	8JA 746 183-012	10
	Socket housing	1-pin	10	–	8JA 746 184-012	10
	Pin housing	2-pin	10	–	8JA 746 183-022	10
	Socket housing	2-pin	10	–	8JA 746 184-022	10
	Pin housing	3-pin	10	–	8JA 746 183-032	10
	Socket housing	3-pin	10	–	8JA 746 184-032	10
	Pin housing	4-pin	10	–	8JA 746 183-042	10
	Socket housing	4-pin	10	–	8JA 746 184-042	10

Product Image	Description	Pins	Contents*	Short designation	Order number	PU*
	Pin housing	5-pin	10	–	8JA 746 183-052	10
	Socket housing	5-pin	10	–	8JA 746 184-052	10
	Pin housing	6-pin	10	–	8JA 746 183-062	10
	Socket housing	6-pin	10	–	8JA 746 184-062	10
	Pin connector Cross section: 1.0–1.5 mm ²		50	B 143	8KW 744 836-002	50
	Socket connector Cross section: 1.0–1.5 mm ²		50	B 144	8KW 744 837-002	50
	Strand insulation Cable: Ø 1.8–2.4 mm		50	B 145	9GD 746 185-002	50
	Strand insulation Cable: Ø 2.6–3.3 mm		50	B 146	9GD 746 186-002	50
	Dummy plug		50	B 147	9GD 746 187-002	50

Figures in units

TECHNICAL DETAILS

Technical Data

Contacts	Tin-plated, max. 14 A, max. 24 VDC
Cable cross-section	1.0 – 1.5 mm ² (16 – 18 AWG)
Variants	1-pin/ 2-pin/ 3-pin/ 4-pin/ 5-pin/ 6-pin
Resistance	High vibration & corrosion resistance, resistant to brake fluid, antifreeze, engine and transmission oil, gasoline, diesel, fountain solution
Temperature range	-40°C to +125°C
Connection system	Integrated click-in mechanism with secondary locking

"HEAVY DUTY" TOOL SYSTEM



Assembly suggestion

The linear crimping technology of the HELLA "Heavy Duty" tool system offers maximum precision. Unlike traditional, radial pliers, this concept is notable for its even distribution of force during crimping, which allows it to produce consistently high-quality work results.

The modular system structure allows users to build the system entirely according to their individual needs, and enables separate replacement of basic handles and crimping/extraction inserts.

- High-quality, modular tool concept
- Linear/parallel crimping technology allows maximum precision
- Ergonomic, soft handle with slip guard
- Optimised mechanical power transmission facilitates long-term, unfatiguing use
- Made of hardened tool steel with special surface finish on elements subject to particularly high loads

The modular case concept of the HELLA "Heavy Duty" tool system allows you to store all your crimping and extraction applications neatly and tidily. The front holds a complete set of pliers (handle and head), and up to 4 other tool heads. The rear offers enough space for a variety of extraction blades and their basic handles.

RANGE OVERVIEW

Product Image	Part number	Description
	8PE 863 807-051	Tool handle for crimping pliers
	8PE 863 807-401	SUPERSEAL tool head The "SUPERSEAL" tool head offers all the benefits of the "Heavy Duty" system. It also has a built-in positioning aid on the rear, which makes it much easier to position the contact correctly within the tool. The specialised design concept allows crimping and insulation to be performed in one integrated work step. This saves valuable time.
	8PE 863 807-301	Basic handle for release / extraction tool
	8PE 863 807-351	SUPERSEAL extraction blade
	8PE 863 807-041	Case

More information on the full range of our "Heavy Duty" systems is available in our main "Electrical vehicle installation" brochure, or on request