

# BRIEF INFORMATION

## DEUTSCH "DT series" plug-type connections

→ environmental sealing – maximum protection from external influences

### PRODUCT FEATURES

The concept combines high-quality materials with a connecting system characterised by reliability and easy handling. Thanks to these qualities, the range is particularly suited to applications where maximum performance is required with a minimum number of disruptions, despite tough environmental conditions.

#### Housing

High-performance plastic

- High impact and vibration resistance
- Hardly flammable
- Corrosion-resistant
- Broad temperature range

High Performance silicone seals

- Close sheathing of the cable insulation (reliable environmental sealing)
- Resistant to the majority of substances used in industry and engine compartments
- Very high flexibility, even under extreme temperatures
- Compatible with a range of cable cross-sections

#### Contacts

Gas-tight crimp connections – the symmetrical star crimp process allows for a gas-tight connection, which is characterised by high resistance to temperature and oxidation-based fluctuations in resistance.


#### Connection mechanism

The housing locking mechanism with integrated click-in function guarantees a quick and secure connection with a strong grip.
















The "wedgelocks" used for secondary locking facilitate precise, sturdy alignment of the contacts and are "clicked" into position on the contact side of the DT housing.















If this secondary locking is not in exactly the right position when being inserted, it will automatically lock into the set position when the plug and housing are connected.

# SETS

| Product image   | Part number     | VPE (pcs) | Description<br>(content in pcs)   |
|---|-----------------|-----------|---|
|    | 8JA 201 021-801 | 1         | DT housing, 2-pole (1)<br>DT "wedgelock" for housing, 2-pole (1)<br>Contact pin 0.5–1.5 mm <sup>2</sup> (3)<br>Blind plug (1)                 |
|    | 8JA 201 022-801 | 1         | DT plug, 2-pole (1)<br>DT "wedgelock" for plug, 2-pole (1)<br>Contact sleeve 0.5–1.5 mm <sup>2</sup> (3)<br>Blind plug (1)                    |
|    | 8JA 201 021-811 | 1         | DT housing, 3-pole (1)<br>DT "wedgelock" for housing, 3-pole (1)<br>Contact pin 0.5–1.5 mm <sup>2</sup> (4)<br>Blind plug (2)                 |
|    | 8JA 201 022-811 | 1         | DT plug, 3-pole (1)<br>DT "wedgelock" for plug, 3-pole (1)<br>Contact sleeve 0.5–1.5 mm <sup>2</sup> (4)<br>Blind plug (2)                    |
|   | 8JA 201 021-821 | 1         | DT housing, 4-pole (1)<br>DT "wedgelock" for housing, 4-pole (1)<br>Contact pin 0.5–1.5 mm <sup>2</sup> (5)<br>Blind plug (3)                 |
|  | 8JA 201 022-821 | 1         | DT plug, 4-pole (1)<br>DT "wedgelock" for plug, 4-pole (1)<br>Contact sleeve 0.5–1.5 mm <sup>2</sup> (5)<br>Blind plug (3)                    |
|  | 8JA 201 021-831 | 1         | DT housing, 6-pole (1)<br>DT "wedgelock" for housing, 6-pole (1)<br>Contact pin 0.5–1.5 mm <sup>2</sup> (7)<br>Blind plug (5)                 |
|  | 8JA 201 022-831 | 1         | DT plug, 6-pole (1)<br>DT "wedgelock" for plug, 6-pole (1)<br>Contact sleeve 0.5–1.5 mm <sup>2</sup> (7)<br>Blind plug (5)                    |
|  | 8JA 201 021-841 | 1         | DT housing, 8-pole, coding "A" (1)<br>DT "wedgelock" for housing, 8-pole (1)<br>Contact pin 0.5–1.5 mm <sup>2</sup> (9)<br>Blind plug (7)     |
|  | 8JA 201 022-841 | 1         | DT plug, 8-pole, coding "A" (1)<br>DT "wedgelock" for plug, 8-pole (1)<br>Contact sleeve 0.5–1.5 mm <sup>2</sup> (9)<br>Blind plug (7)        |
|  | 8JA 201 021-851 | 1         | DT housing, 12-pole, coding "A" (1)<br>DT "wedgelock" for housing, 12-pole (1)<br>Contact pin 0.5–1.5 mm <sup>2</sup> (13)<br>Blind plug (11) |
|  | 8JA 201 022-851 | 1         | DT plug, 12-pole, coding "A" (1)<br>DT "wedgelock" for plug, 12-pole (1)<br>Contact sleeve 0.5–1.5 mm <sup>2</sup> (13)<br>Blind plug (11)    |

## RANGE OVERVIEW

| Product image   | Part number     | VPE (pcs) | Content (pcs) | Description                       |
|---|-----------------|-----------|---------------|-----------------------------------|
|    | 8JA 201 021-022 | 10        | 10            | DT housing, 2-pole                |
|    | 8JA 201 022-022 | 10        | 10            | DT plug, 2-pole                   |
|    | 9NB 201 023-022 | 10        | 10            | DT "wedglock" for housing, 2-pole |
|    | 9NB 201 024-022 | 10        | 10            | DT "wedglock" for plug, 2-pole    |
|    | 8JA 201 021-032 | 10        | 10            | DT housing, 3-pole                |
|   | 8JA 201 022-032 | 10        | 10            | DT plug, 3-pole                   |
|  | 9NB 201 023-032 | 10        | 10            | DT "wedglock" for housing, 3-pole |
|  | 9NB 201 024-032 | 10        | 10            | DT "wedglock" for plug, 3-pole    |
|  | 8JA 201 021-042 | 10        | 10            | DT housing, 4-pole                |
|  | 8JA 201 022-042 | 10        | 10            | DT plug, 4-pole                   |
|  | 9NB 201 023-042 | 10        | 10            | DT "wedglock" for housing, 4-pole |
|  | 9NB 201 024-042 | 10        | 10            | DT "wedglock" for plug, 4-pole    |
|  | 8JA 201 021-062 | 10        | 10            | DT housing, 6-pole                |
|  | 8JA 201 022-062 | 10        | 10            | DT plug, 6-pole                   |
|  | 9NB 201 023-062 | 10        | 10            | DT "wedglock" for housing, 6-pole |

| Product image   | Part number     | VPE (pcs) | Content (pcs) | Description                            |
|---|-----------------|-----------|---------------|--|
|    | 9NB 201 024-062 | 10        | 10            | DT "wedgelock" for plug, 6-pole        |
|    | 8JA 201 021-082 | 10        | 10            | DT housing, 8-pole, coding "A"         |
|    | 8JA 201 022-082 | 10        | 10            | DT plug, 8-pole, coding "A"            |
|    | 9NB 201 023-082 | 10        | 10            | DT "wedgelock" for housing, 8-pole     |
|    | 9NB 201 024-082 | 10        | 10            | DT "wedgelock" for plug, 8-pole        |
|   | 8JA 201 021-122 | 10        | 10            | DT housing, 12-pole, coding "A"        |
|  | 8JA 201 022-122 | 10        | 10            | DT plug, 12-pole, coding "A"           |
|  | 9NB 201 023-122 | 10        | 10            | DT "wedgelock" for housing, 12-pole    |
|  | 9NB 201 024-122 | 10        | 10            | DT "wedgelock" for plug, 12-pole       |
|  | 8KW 201 025-012 | 50        | 50            | Contact sleeve 2 mm <sup>2</sup>       |
|  | 8KW 201 025-022 | 50        | 50            | Contact pin 2 mm <sup>2</sup>          |
|  | 8KW 201 025-112 | 50        | 50            | Contact sleeve 0.5–1.5 mm <sup>2</sup> |
|  | 8KW 201 025-122 | 50        | 50            | Contact pin 0.5–1.5 mm <sup>2</sup>    |
|  | 9NB 201 026-012 | 50        | 50            | Blind plug                             |

# TECHNICAL DETAILS

## Technical specifications

|                     |   |
|---------------------|---|
| Contacts            | Nickel alloy<br>Size 16, up to max. 13 A  |
| Cable cross-section | from 0.5–2 mm <sup>2</sup> (14–20 AWG)  |
| Versions            | 2-pole<br>3-pole<br>4-pole<br>6-pole<br>8-pole<br>12-pole   |
| Resistance          | high impact & vibration resistance, hardly flammable, corrosion-protected, resistant to the majority of substances used in industry and engine compartments |
| Temperature range   | -55°C to +125°C   |
| Connection system   | integrated click-in mechanism with secondary locking  |

## HEAVY DUTY TOOL SYSTEM








Suggested contents

HELLA's Heavy Duty tool system with its linear crimping technology gives your work a very high degree of precision. Unlike conventional radial pliers, this design is remarkable for the uniform distribution of force during the crimping process. This enables you to work to a consistently high standard. The system's modular design allows you to put together your own individual combinations and separately exchange basic handles and crimping or release tools.

- High quality modular tool design
- Linear/parallel crimping technology facilitates maximum processing precision
- Ergonomic soft-handgrip with slip guard
- Optimized mechanical power transmission facilitates long-term unfatiguing use
- Made of hardened tool steel with special surface finishing of particularly stressed elements

The modular design of HELLA's Heavy Duty tool system case provides for clean and tidy storage for all crimping and releasing applications. The front section can accommodate one complete set of pliers (handle and head) and up to four more tool heads. The rear section offers plenty of space for a variety of releasing blades and the corresponding basic handle.

## RANGE OVERVIEW

| Product Image   | Part number     | Description                     |
|---|-----------------|---------------------------------|
|    | 8PE 863 807-051 | Tool handle for crimping pliers |
|    | 8PE 863 807-061 | Tool head GERMAN "DT"           |
|    | 8PE 863 807-301 | Basic handle for release tool   |
|  | 8PE 863 807-371 | Releasing blade                 |
|  | 8PE 863 807-041 | Case                            |

You can find more information about the full range of our Heavy Duty system in our main brochure "Electric Vehicle Installation" or on request.