**Product data sheet**

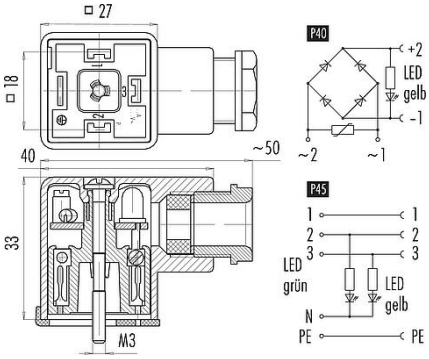
# Automation technology - Solenoid valve connectors

| | |
|---|---|
| Product description | **Female power connector, Contacts: 3+PE, 8.0-10.0 mm, unshielded, screw clamp, IP40 without seal, PG 11, Circuit P45, with LED PNP** |
| Area | **Size A** |
| Series | **210** |
| Part no. | **43 1732 146 04** |

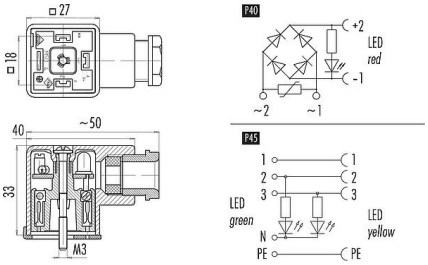
## Illustration (may vary)



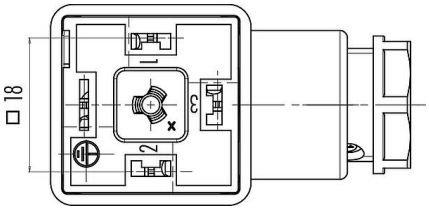
## Pin assignment plans




## Scale drawing




## Contact arrangement (Plug-in side)




**You can find the assembly instructions on the next page.**

## Technical data

### General features

| | |
|---|---|
| Part no. | 43 1732 146 04 |
| Connector design | Female power connector |
| Type standard | DIN EN 175301-803 |
| Version | Connector socket straight |
| Connector locking system | Central bolt |
| Termination | screw clamp |
| Degree of protection | IP40 without seal<br>IP65 with seal, see accessories |
| Connection cross-section | 0.34-1.50 mm² |
| Cable outlet | 8.0-10.0 mm |
| Temperature range from/to | -25 °C / 85 °C |
| Mechanical operation | > 50 Mating cycles |
| Weight (g) | 28.30 |

**Product data sheet**

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| | |
|---|---|
| Customs tariff number | 85369010 |
| Country of Origin | HU |

## Electrical parameters

| | |
|---|---|
| Rated voltage | 24 V |
| Rated impulse voltage | 800 V |
| Rated current | 10.0 A |
| Pollution degree | 3 |
| Overvoltage category | III |
| Insulating material group | III |
| EMC compliance | unshielded |
| Wiring | P45 |

## Material

| | |
|---|---|
| Housing material | PC |
| Contact body material | PA (UL94 HB) |
| Contact material | CuSn (bronze) |
| Contact plating | Ni (nickel) |
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | 9a41c626-ba10-4465-b12f-d449921360fe |

## Classifications

| | |
|---|---|
| eCl@ss 11.1 | 27-06-03-11 |
| ETIM 9.0 | EC002635 |

## Trade-Compliance

| | |
|---|---|
| Copper (9903.78.01) | 0.001224 kg |

**Product data sheet**

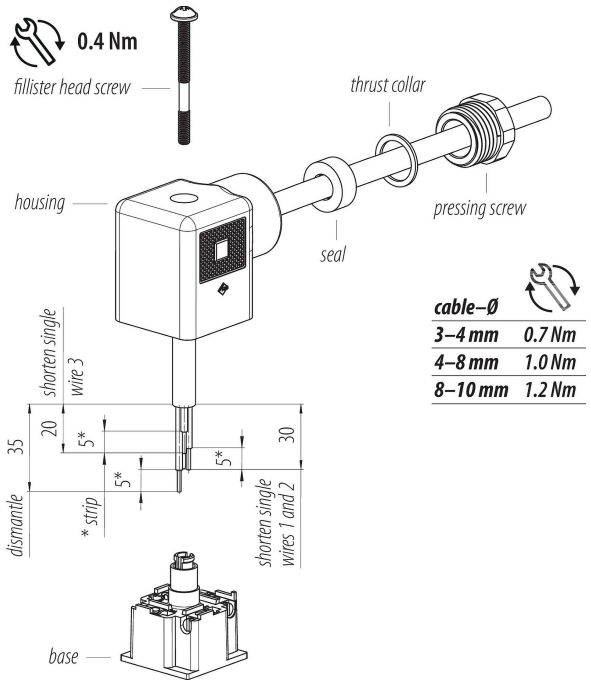
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## Assembly instructions

1. *Bead pressing screw, thrust collar, seal and housing to cable.*
2. *Dismantle cable to 35 mm.*
3. *Shorten single wires:*
   *contact 1 and 2: 30 mm, contact 3: 20 mm*
4. *Stip all single wires 5mm.*
5. *Unscrew the screws from the contacts.*
6. *Insert single wires into contacts and clamp with screws (0.4 Nm).*
7. *Insert the base into the housing until it clicks into place. If necessary, carefully tighten cable on the connection side.*
8. *Insert the fillister head screw through housing and base. Secures base to housing.*
9. *Push seal, thrust collar and pressing screw onto housing and tighten. Ensure that the cable is pushed into the housing and not pulled out.*
10. *Then plug in female power connector and tighten fillister head screw (0.4 Nm).*

***Note:***
*If cable strain relief is required, this must be provided externally.*




| cable–Ø | |
|---|---|
| 3–4 mm | 0.7 Nm |
| 4–8 mm | 1.0 Nm |
| 8–10 mm | 1.2 Nm |

**Product data sheet**

# Automation technology - Solenoid valve connectors

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## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".