

Plug in, ready, go!

The rapid mounting system for the AS Interface



wieland

Electrical  
Connections

**gesis<sup>®</sup> IP+**

## The rapid mounting system **gesis<sup>®</sup> IP+** for the AS Interface

As a complete installation system, **gesis<sup>®</sup> IP+** provides clear time savings during installation. The components are pre-assembled in the factory and simply plugged together in the field. Troublesome cutting to length, stripping of sheath and insulation, and connecting is now a matter of the past.



**gesis<sup>®</sup> IP+** provides completely new possibilities. Complex system sections can be pre-assembled and tested independent of the location of operation. The individual components are simply plugged in on site.

### 4 basic components for a consistent installation:

- ☐ **Connectors** can be pre-assembled on site and are available either for connection of a round connector or of the AS-i profile cable.
- ☐ **Distribution blocks** enable distribution of electrical power and signals throughout the network.
- ☐ **Pre-assembled cables** are available in various lengths and designs and are used for routing and supply of auxiliary power / signals.
- ☐ **Device connectors** are directly integrated into the consumer devices and function as the interface to the connector system

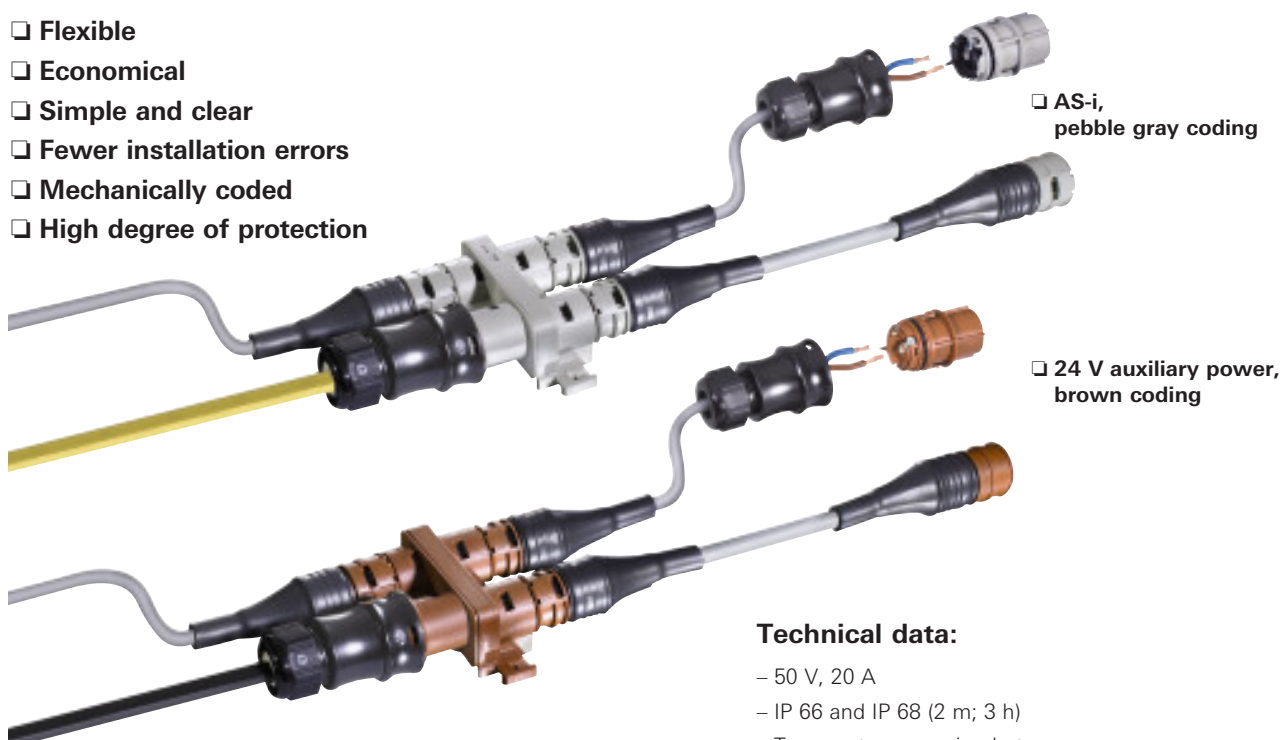
### AS-i and 24 V auxiliary power

Each circuit has its own mechanical coding.

Mechanically coded means that only matching male and female connector pairs can be plugged together. This ensures a clear separation of the two circuits.

#### Benefits:

- ☐ **Flexible**
- ☐ **Economical**
- ☐ **Simple and clear**
- ☐ **Fewer installation errors**
- ☐ **Mechanically coded**
- ☐ **High degree of protection**



#### Technical data:

- 50 V, 20 A
- IP 66 and IP 68 (2 m; 3 h)
- Temperatures ranging between –40 and +100° C
- Screw connection 0.5 - 4.0 mm<sup>2</sup>

# The rapid mounting system **gesis**<sup>®</sup> IP+ for the AS Interface

# gesis<sup>®</sup> IP+

## AS-i connector system 2 pole, pebble gray coding

### Connectors for round cables with screw connection

**Design:**  
For cables Ø 6 – 10 mm

#### Female connector



**Part no.**  
96.021.4050.8

#### Male connector



**Part no.**  
96.022.4050.8

### Device connection M25 for installation inside a housing with screw connection

#### Female connector



**Part no.**  
96.021.5050.8

#### Male connector



**Part no.**  
96.022.5050.8

### Cable assemblies 2 x 1.5 mm<sup>2</sup>

**Extension cable  
Female – Male**  
Ölflex Classic 100



**Part no.**  
96.222.x092.8

**Connection cable  
Female – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.222.x097.8

**Connection cable  
Male – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.222.x098.8

### Connectors for AS-i profile cable with screw connection

#### Female connector



**Part no.**  
96.021.4950.8

#### Male connector



**Part no.**  
96.022.4950.8

### Distribution unit, 1I/3O with mounting option



**Part no.**  
96.020.0150.8

### Cover pieces suitable for all codings



for unused  
female  
connectors

**Part no.**  
Z5.564.4553.1



for unused  
male  
connectors

**Part no.**  
05.564.4453.1

### Cable assemblies 2 x 2.5 mm<sup>2</sup>

**Extension cable  
Female – Male**  
Ölflex Classic 100



**Part no.**  
96.223.x092.8

**Connection cable  
Female – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.223.x097.8

**Connection cable  
Male – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.223.x098.8

x = cable length in  
meters  
(1 m to 8 m)

The entire product range is provided in the **gesis** IP+ master catalog:  
part no. 0061.5 German, part no. 0161.5 English

## 24 V auxiliary power, 2 pole, brown coding

### Connectors for round cables with screw connection

**Design:**  
For cables Ø 6 – 10 mm

#### Female connector



**Part no.**  
96.021.4051.4

#### Male connector



**Part no.**  
96.022.4051.4

### Device connection M25 for installation inside a housing with screw connection

#### Female connector



**Part no.**  
96.021.5051.4

#### Male connector



**Part no.**  
96.022.5051.4

### Cable assemblies 2 x 1.5 mm<sup>2</sup>

**Extension cable  
Female – Male**  
Ölflex Classic 100



**Part no.**  
96.222.x092.4

**Connection cable  
Female – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.222.x097.4

**Connection cable  
Male – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.222.x098.4

### Connectors for AS-i profile cable with screw connection

#### Female connector



**Part no.**  
96.021.4951.4

#### Male connector



**Part no.**  
96.022.4951.4

### Distribution unit, 11/30 with mounting option



**Part no.**  
96.020.0151.4

### Cover pieces suitable for all codings



**Part no.**  
99.416.6205.2

for unused  
female  
connectors,  
with  
protection  
against loss



**Part no.**  
99.414.6205.2

for unused  
male  
connectors,  
with  
protection  
against loss

### Cable assemblies 2 x 2.5 mm<sup>2</sup>

**Extension cable  
Female – Male**  
Ölflex Classic 100



**Part no.**  
96.223.x092.4

**Connection cable  
Female – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.223.x097.4

**Connection cable  
Male – Free end**  
with ultrasonically  
welded wire ends  
Ölflex Classic 100



**Part no.**  
96.223.x098.4



# wieland

## Electrical Connections

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## Application example:

### AT Wieland

Components and system components for the control cabinet

- DIN rail terminal blocks
  - with screw connection
  - with spring clamp connection
  - with IDC connection
- Safety
  - Safety relays
  - Modular safety systems
- Fieldbus components
- Interface
  - Power supplies
  - Overvoltage protection
  - Measuring and monitoring relays
  - Time and switching relays
  - Coupling relays/solid state relays
  - Analog modules
  - Passive interfaces

Components and system components for field applications

- Remote automation
  - Remote power distribution
  - Remote fieldbus interface
- Industrial multipole connectors
  - Modular multipole connectors
  - High-density multipole connectors
  - High-current multipole connectors
  - Multipole connectors for hazardous areas
  - Bushings for control cabinets
  - D-Sub connectors
- Round connectors

Empty housings and appliance connectors/terminal strips

### AT Schleicher

- PLC systems and CNC based control systems
- Operator panels
- Application engineering & system solutions
- Customized products

### BIT Wieland

- Building installation systems
  - Mains connectors IP20/IP65...IP68
  - Bus connectors
  - Combined connectors
  - Low-voltage connectors
  - Flexible flat cable systems
  - Distribution systems
  - Switching devices for EIB/KNX, LON, radio control
- DIN rail terminal blocks for electrical installations
- Overvoltage protection

### PCB connectors Wieland

PC board connectors

- PC board connectors
  - with screw connection
  - with spring clamp connection
  - with TOP connection

