### Gateways AS-Interface/Profibus-DP

<table>
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<tr>
<th>Ordering data</th>
<th>Art.-No.</th>
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<tr>
<td>Gateway AS-Interface Profibus-DP</td>
<td>55718</td>
<td>55719</td>
</tr>
</tbody>
</table>

### Technical data AS-Interface
- **Supply voltage**: 26.5...31.6 V
- **Current usage**: \( \leq 200 \text{ mA} \)
- **Bus connection**: via AS-Interface flat profile cable

### Technical data Profibus
- **Type**: Profibus-DP Slave
- **Bus connection**: Sub-D 9-pole plug-in connector, spring clamp terminals
- **Addressing**: via keys (mode/set) on the unit, address range 3...99
- **Transfer rate**: 9.6 kBaund up to 12 Mbaund, automatic detection

### Diagnostics
- **LC-Display**: address display, error messages
- **LED green (power)**: voltage present
- **LED green (ser active)**: Profibus communication
- **LED red (config error)**: configuration error (also over the bus controller)
- **LED green (U AS-Interface)**: AS-Interface voltage present (also over the bus controller)
- **LED green (AS-Interface active)**: AS-Interface communication (also over the bus controller)
- **LED green (prg. enable)**: auto programming enabled
- **LED gelb (prj. mode)**: project mode active (also over the bus controller)

### General data
- **Protection**: IP 20 IP 65
- **Temperature range**: 0...55°C
- **Dimensions H x W x D**: 75 x 100 x 110 mm 95 x 91 x 70 mm
- **Weight**: approx. 420 g approx. 500 g

### Accessories
- **GSD/Type files**: 3.5" disk with unit specific Profibus communication
- **Software tool**: easy diagnostic/ startup of AS-Interface system via the Profibus Gateway using the PC
- **RS 232/RS 485 converter**: to operate the AS-Interface Gateways via the PC serial using the software tool
- **Connection cable**: between IP65 Gateway and RS232/RS485 converter
- **AS-Interface flat profile cable yellow**: 2 x 1.5 mm² (per meter)
- **Profibus data cable**: up to 12 MBit/ s with switchable terminal resistor
- **Profibus connector**:

### Notes
- Other gateways on request.
### Master for PC

<table>
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<tr>
<th>Master card</th>
<th>Art.-No.</th>
<th>Technical data</th>
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</thead>
<tbody>
<tr>
<td>for PC</td>
<td>55729</td>
<td>Supply voltage 5 V via bus</td>
</tr>
<tr>
<td>for S5-90U, S5-95U, S5-100U, ET-200U</td>
<td>55720</td>
<td>9 V via bus</td>
</tr>
</tbody>
</table>

#### Supply voltage
- 5 V via bus
- 9 V via bus

#### Current usage
typ. 720 mA
- typ. 200 mA

#### Temperature range
- 0...60 °C
- 0...60 °C

#### Weight
- approx. 110 g
- approx. 360 g

#### Format
- short AT format
- 4G100U installation technique

#### Dimensions (H x W x D)
- 152 x 107 x 15 mm
- 134 x 90 x 85 mm

#### AS-Interface connector
- via screw terminal
- via S5-Bus module, terminal 7... 8; 9... 10

#### Data interface
- 2 kB Dual-Port-RAM
- 16 Byte in the analogue range

#### Documentation/Software
- Handbook for PC- and S5-Master 55724
- Driver software for PCMaster 55730

### Notes
- Other master on request
AS-Interface System Components

**Power supply for the AS-Interface-Bus (ASI)**
- single phase
- primary switch mode
- touch protected

**MASI - 2.8**
Input voltage 115 V AC

**MASI - 2.8**
Input voltage 230 V AC

**MASI - 2.8 IP67**
Input voltage 230 V AC

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**Circuit diagram**

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**Ordering data**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MASI-2.8</td>
<td>85425</td>
<td>85424</td>
</tr>
<tr>
<td>MASI-2.8 IP67</td>
<td>85430</td>
<td></td>
</tr>
</tbody>
</table>

**Technical data Input**

<table>
<thead>
<tr>
<th>Input voltage 115 V AC</th>
<th>230 V AC ± 20 %</th>
</tr>
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<tbody>
<tr>
<td>115 V AC + 20 % / -15 %</td>
<td>230 V AC ± 20 %</td>
</tr>
<tr>
<td>Input current 1.3 A</td>
<td>0.8 A</td>
</tr>
<tr>
<td>Frequency 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Safety fuse 1.6 A tr (internal, not accessible)</td>
<td></td>
</tr>
</tbody>
</table>

**Technical data Output**

| Output voltage 30.5 V ± 3% | |
| Max. output current 2.8 A | |
| Power 85.4 W | |
| Efficiency 0.85 | |
| Ripple < 50 mVss | |
| Protection overload and short-circuit protected | |
| Status indicator LED green and smoothing capacitor | |
| Output filter filter to AS-Interface Specification | |

**General data**

| Test insulation voltage 4.2 kV AC | |
| Safety to EN 60950 | |
| Protection IP20 | IP67 |
| Temperature range -10 ... +60 °C | |
| Mounting method DIN rail mounting to EN 50022 | |
| AS-Interface the unit meets ASI requirements for power supplies (PELV) | |
| Dimensions H x W x D | 153 x 103 x 70 mm |
| | 138 x 179 x 70 mm |

**Dimension drawing**

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**Notes**

In order to guarantee heat dissipation by convection, the unit must be mounted horizontally.
## AS-Interface System Components

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Description</th>
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| **AS-Interface distribution box, flat profile cable** | - IP65 Protection  
- Connector 1: AS-Interface flat profile cable  
- Connector 2: AS-Interface flat profile cable  
- Current capacity 4.5 A | 55749 |
| **AS-Interface distributor flat profile/ round cable** | - IP65 Protection  
- Cable entry: 3 x Pg11, 2 pieces flat gasket included  
- Current capacity 16 A | 55745 |
| **AS-Interface adapter flat profile cable → round cable** | - IP52 Protection  
- Connector 1: AS-Interface flat profile cable  
- Connector 2: 2 wire round cable Ø 5…6 mm | 55740 |
| **AS-Interface adapter flat profile cable → M12** | - Current capacity 2 A  
- IP67 Protection  
- Connector 1: AS-Interface flat profile cable  
- Connector 2: M12 round connector | 55741 |
| **AS-Interface adapter flat profile cable → PG11** | - Current capacity 2 A  
- IP67 Protection  
- Connector 1: AS-Interface flat profile cable  
- Connector 2: Continuation via standard cable | 55732 |
| **AS-Interface flat profile cable yellow, 2 x 1.5 mm² PVC** | | 55743 |
| **AS-Interface flat profile cable black, 2 x 1.5 mm² PVC** | | 55744 |
| **AS-Interface round cable black, 2 x 1.5 mm² PVC** | | 55747 |
| **AS-Interface round cable black, 2 x 2.5 mm² PVC** | | 55748 |
| **End caps for AS-Interface flat profile cable** | To insulate and seal AS-Interface flat profile cable ends in combination with modules in the MVK line  
1 set = 5 end caps left and 5 end caps right | 55746 |
| **Mounting bracket for AS-Interface flat profile cable** | 1 set = 50 pieces | 55742 |
| **Addressing device for AS-Interface** | For simple addressing of AS-Interface Slaves. Inclusive mains / charging unit, Slave-connection cables with terminals and connector. | 55696 |
| **AS-Interface programming cable** | Slave-connection cables (M12- round connector) with plug-in terminals and connectors | 55727 |