Coupling device AGH676S-4
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Product description
The coupling device AGH676S-4 series is designed to extend the nominal voltage range to AC, 3(N)AC 0…12 kV, 50…460 Hz for the ISOMETER® iso685… series and IRDH275-4xx/IRDH375-4xx/IR420-D64.

Approvals

Ordering information

<table>
<thead>
<tr>
<th>Nominal system voltage $U_n$</th>
<th>Cable length</th>
<th>Type</th>
<th>Art. No.</th>
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</thead>
<tbody>
<tr>
<td>AC, 3(N)AC</td>
<td>0…12 kV, 50…460 Hz</td>
<td>AGH676S-4</td>
<td>B913055</td>
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</tbody>
</table>

Wiring diagram offline (IR420-D64)

Wiring diagram online (iso685/IRDH275-4xx/IRDH375-4xx)

$U_n = 3AC 12 kV$
Technical data

**Insulation coordination acc. to IEC 61800-5-1**

- Rated insulation voltage: AC 12 kV

**Voltage test acc. to IEC 61800-5-1**

- Type test:
  - Voltage impulse test: ≥ AC 75 kV
  - AC voltage test: ≥ AC 45 kV
  - Partial discharge test: ≥ 16.5 kVeff

- Routine test:
  - AC voltage test, rate of increase < 2 kV/s: AC 25 kV

**Voltage ranges**

- Nominal system voltage Un
  - AC / 3(N)AC 0...12 kV

- Nominal frequency fn
  - 50...460 Hz

- Internal DC resistance Ri
  - ≥ 160 kΩ

- Impedance Zi at 12 kV and 50 Hz
  - ≥ 12 MΩ

**Environmental conditions**

- Shock resistance IEC 60668-2-27 (during operation): 15 g/11 ms

- Bumping IEC 60668-2-29 (during transport): 40 g/6 ms

- Vibration resistance IEC 60668-2-6 (during operation):
  - 1 g / 10...150 Hz
  - 2 g / 10...150 Hz

- Ambient temperature, during operation: -10...+55 °C

- Storage temperature range: -40...+70 °C

- Climatic class acc. to IEC 60721-3-3:
  - 3K5 (except condensation and formation of ice)

**Connection**

- Connection medium voltage: high-voltage cable (encapsulated on the device side)
- Connection, flexible with ring terminal: M8
- Connection terminals 3, 4, 5: screw terminals

**Other**

- Degree of protection, internal components (DIN EN 60529): IP64
- Degree of protection, terminals (DIN EN 60529): IP20
- Type of enclosure: resin-encapsulated block
- Screw fixing: M5
- Flammability class: UL94 HB
- Documentation number: D00096
- Weight: ≤ 8400 g

**Dimension diagram**

Dimensions in mm