**TECHNICAL DATA AND PRODUCT SELECTION**

### ELECTRICAL DATA
- Sensors supplied from AS-i: Max. 80 mA in total, Up to 1 A in total
- Sensors supplied from AUX: Up to 1 A in total
- Output current per module: Up to 1 A (sensor supply incl.)
- Displays an overload (sensor and output): Red LED flashes
- Displays communication error: Red LED lights up
- AS-Interface/AUX connection: Via flat cable
- AS-Interface specification: Compatible Spec. 3.0

### MECHANICAL DATA
- Degree of protection: IP68/IP69k
- Housing materials: PBT/stainless steel
- Shock load: 10 g
- Temperature range: -25 °C … +75 °C

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**AS-INTERFACE G10 ULTRA-COMPACT MODULE**

**CONNECT & DONE**

**SIMPLIFYING DECENTRALIZED INSTALLATIONS**

For more information about our AS-Interface G10 ultra-compact modules, visit:

[www.pepperl-fuchs.com/g10](http://www.pepperl-fuchs.com/g10)

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**MODEL NUMBER**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBA-2E-G10-2Al-M-V1-W</td>
<td>Two inputs, connection via one M12 pigtail</td>
</tr>
<tr>
<td>VBA-2E-G10-ZE1-M-V1-W</td>
<td>Two inputs, connection via two M12 pigtails</td>
</tr>
<tr>
<td>VBA-2E1a-G10-Za1/E21-M-2V1-W</td>
<td>Two inputs and one output, connection via two M12 pigtails</td>
</tr>
</tbody>
</table>

Custom lengths and pin assignments available on request.

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Developed for low-density I/O requirements, the G10 from Pepperl+Fuchs is the smallest, full-featured AS-Interface module on the market. It’s smaller than a match book, less than one inch thick, and fits into the smallest spaces, including cable trays. The AS-Interface cable simply clips to the module and the housing is securely closed with just a single screw. It has a superior IP rating and comes with one-meter long pigtails so that additional cordsets are eliminated.

**Very Easy To Transform Every Sensor into an AS-Interface Sensor**

Cost effectively converts any sensor into an AS-Interface sensor
- Can be placed in the cable duct with no additional mounting requirements
- Unique seal contours around the gold-plated contact pins help to ensure IP68/69K protection
- Smooth, one-piece housing design made from PBT provides a long service life
- Two M4 mounting holes enable machine mounting and easy mounting to a 40 mm Bosch strut

**Benefits**

- Status diagnostics are simplified with the help of error/overload, input and output state indicator LEDs
- One-piece housing mounts in seconds: insert the flat cable, close the top, and tighten the screw. Because the enclosure is so compact, additional mounting requirements are usually unnecessary.

**Reliable Protection**

Reliability is achieved with the Ultra-Compact housing, which reduces the incident water pressure such that the seal contours can provide perfect sealing. The center screw tightly seals the housing shut, guaranteeing high and uniform contact pressure against the flat cable.

**Fits Anywhere in the Cable Duct With Easy Sensor Connection**

With decentralized installation, the modules can be placed exactly where you need them, anywhere along the cable tray. The integrated pigtails eliminate the need for additional cordsets and reduce the number of M12 connections.

**One-Piece Housing**

The one-piece housing mounts in seconds: insert the flat cable, close the top, and tighten the screw. Because the enclosure is so compact, additional mounting requirements are usually unnecessary.

**Receives**

- M12 connection for 2-, 3-, and 4-wire PNP sensors and dry contact inputs
- One meter pigtails make additional cordsets a thing of the past
- Unique seal contours around the gold-plated contact pins help to ensure IP68/69K protection
- Smooth, one-piece housing design made from PBT provides a long service life

**Reliable Protection**

Reliability is achieved with the Ultra-Compact housing, which reduces the incident water pressure such that the seal contours can provide perfect sealing. The center screw tightly seals the housing shut, guaranteeing high and uniform contact pressure against the flat cable.

**DCentralized Installation**

With decentralized installation, the modules can be placed exactly where you need them, anywhere along the cable tray. The integrated pigtails eliminate the need for additional cordsets and reduce the number of M12 connections.

**Fits Anywhere in the Cable Duct With Easy Sensor Connection**

Just 40 mm high, 27 mm wide, and less than one inch thick, you simply place the G10 in the cable tray. The M12 pin assignments make the module suitable for any 2-, 3-, and 4-wire PNP sensor.

**One-Piece Housing**

The one-piece housing mounts in seconds: insert the flat cable, close the top, and tighten the screw. Because the enclosure is so compact, additional mounting requirements are usually unnecessary.

**Reliable Protection**

Reliability is achieved with the Ultra-Compact housing, which reduces the incident water pressure such that the seal contours can provide perfect sealing. The center screw tightly seals the housing shut, guaranteeing high and uniform contact pressure against the flat cable.