AS-INTERFACE G11 MODULES

INNOVATIVE, VERSATILE, ROBUST
AS-INTERFACE G11 MODULES WITH IP68/IP69K DEGREE OF PROTECTION

DURABLE HOUSING FOR HARSH CONDITIONS

The field modules offer an innovative sealing concept in a robust, compact, circular design and are particularly suitable for machine engineering and process technology applications. Cleaning processes involving steam cleaners and high mechanical stresses do not affect the performance of G11 modules. You can connect sensors and actuators to an AS-Interface quickly and easily, even under these harsh ambient conditions.

CUSTOMER BENEFITS

- Highest degree of protection IP68/IP69k, encapsulated components not required
- Smooth surface prevents accumulation of dirt
- Flat cable aligned to any position

ONE PRODUCT – FOUR VERSIONS

The G11 module is available in four versions with different types of connection and varying numbers of inputs and outputs.

- AS-i POWER24 compatible
- Diagnostic display
- Red LED: output overload indicator
- AUX indicator
- Output current: 6A per module, 2A per connector
- A/B addressing, AS-i Spec. 3.0
- Compact design 85mm diameter
- M12 sensor connection for 2-, 3-, 4-wire sensors
- Versions with M12 connection for AS-i/AUX are available

FLAT CABLE WITH SECURE SEALED CONTACTS

When the flat cable is connected, the exceptionally effective sealing technology – proven everyday in our line of passive splitters – seals off the round gold-plated piercing pins with maximum effect.

MAXIMUM PROTECTION

The device is mounted using two screws in the base and a central stainless steel screw in the top. Durable materials protect the electronics.

FITS INTO EVERY CORNER

The compact, circular design allows the flexible alignment of the flat cable to any position.

STEAM CLEANING NEVER POSES A PROBLEM

Radial O-ring seals provide the electronics with hermetic protection without requiring encapsulated components. Aging and thermal loading are not a concern.

NO MORE TROUBLESHOOTING!

In the event of a short circuit at the output, not only is the fault transferred to the controller, but a red LED directly at the relevant M12 port indicates the presence of a fault.

OPERATED WITH STANDARD 24 V POWER SUPPLY

The G11 module already conforms to the new AS-Interface POWER24 specifications.
**TECHNICAL DATA AND PRODUCT SELECTION**

### ELECTRICAL DATA
- Output current per module: max. 6 A
- Output current per M12 port: max. 2 A
- Overload indicator at M12 port: red LED
- Lead breakage detection for outputs: configurable
- AS-Interface/AUX connection: M12 or flat cable
- Operating voltage: 18.5 V ... 30.5 V
- AS-Interface POWER 24: compatible
- AS-Interface specification: 3.0

### MECHANICAL DATA
- Degree of protection: IP68/IP69k
- Materials used: PBT, stainless steel
- Shock loading: 30 g
- Temperature range: -25 °C ... +70 °C

### MODEL NUMBER

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION OF AS-INTERFACE G11 MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBA-4E-G11-ZAJ-F</td>
<td>4 inputs, flat cable connection for AS-Interface</td>
</tr>
<tr>
<td>VBA-4E4A-G11-ZAJ/E2L-F</td>
<td>4 inputs and 4 outputs, flat cable connection for AS-Interface/AUX</td>
</tr>
<tr>
<td>VBA-4E-G11-ZAJ-V1</td>
<td>4 inputs, M12 connection for AS-Interface</td>
</tr>
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</tr>
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For more information on our AS-Interface G11 modules, visit:

[www.pepperl-fuchs.com/g11](http://www.pepperl-fuchs.com/g11)

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