AS-INTERFACE G11 MODULES

INNOVATIVE, VERSATILE, ROBUST

PEPPERL+FUCHS

SENSING YOUR NEEDS

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.
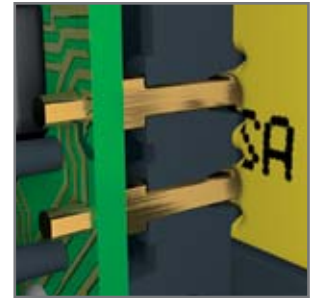
CUSTOMER BENEFITS

- Highest degree of protection IP68 / IP69k, encapsulated components not required
- Smooth surface prevents accumulation of dirt
- Flat cable aligned to any position
- Compact design
- Output overload indicator at M12 port
- Outputs with high current load rating
- Compatible with "AS-Interface POWER24"

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.

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 free 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 encapslated components. Aging and thermal loading are not a concern.

ONE PRODUCT – FOUR VERSIONS

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

Versions with M12 connection for AS-i /AUX are available

AS-i POWER24 compatible

Sensor supply from AS-i

Smooth surface prevents the build-up of dirt

Flat cable connection for AS-i / AUX

Innovative clean design IP68 /IP69k

Diagnostic display

Red LED: output overload indicator

AUX indicator

Output current: 6 A per module, 2 A per connector

A/B addressing, AS-i Spec. 3.0

Compact design 85 mm diameter

M12 sensor connection for 2-, 3-, 4-wire sensors

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.
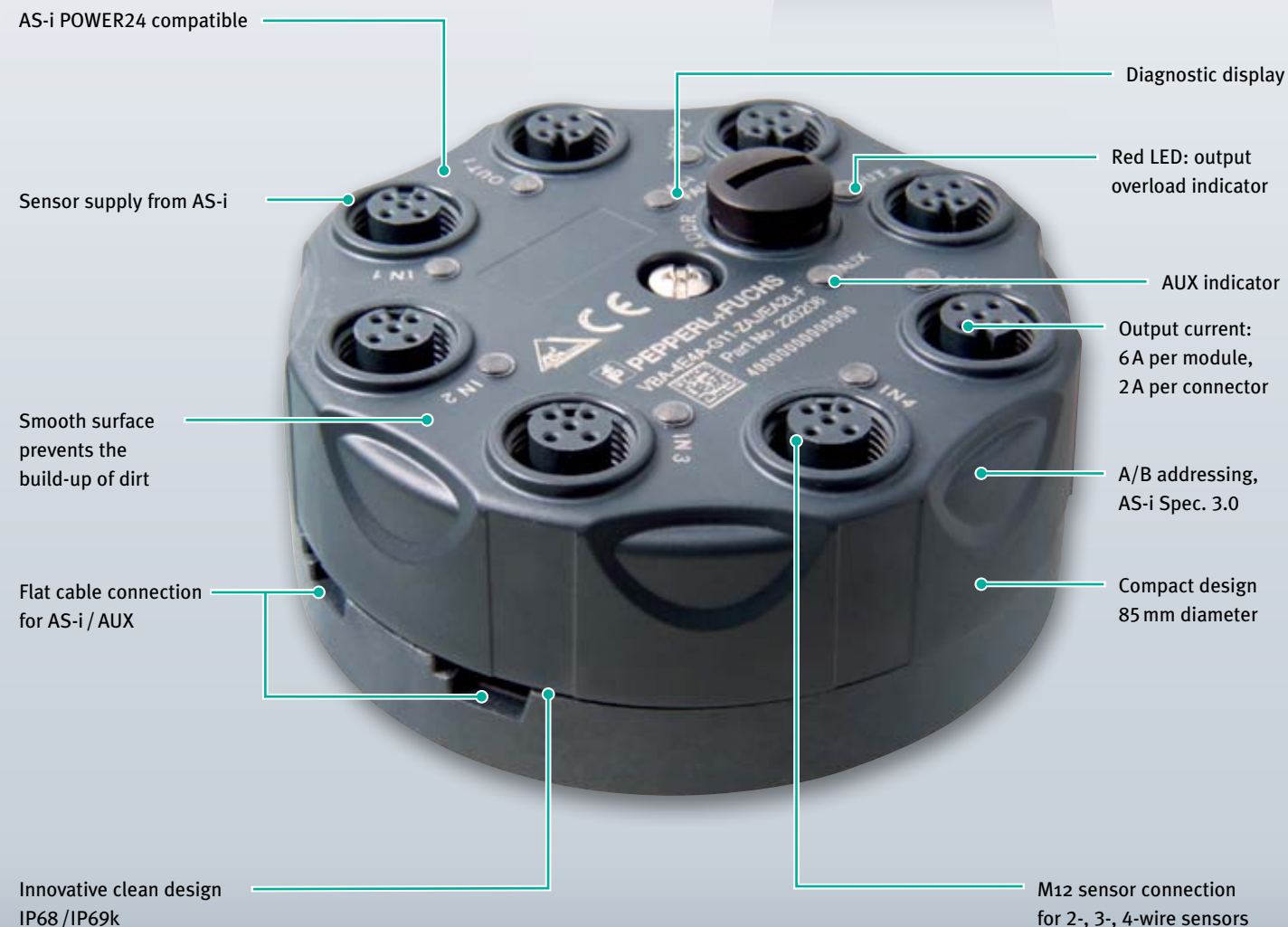
FLEXIBLE FLAT CABLE ROUTING

The M12 connection for AS-i /AUX allows offset installation from the flat cable.

OPERATED WITH STANDARD 24 V POWER SUPPLY

The G11 module already conforms to the new AS-Interface POWER24 specifications.

TECHNICAL DATA AND PRODUCT SELECTION
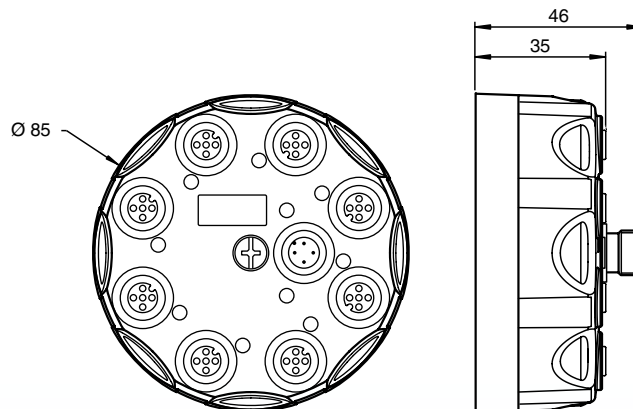
ELECTRICAL DATA

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 POWER24	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	DESCRIPTION OF AS-INTERFACE G11 MODULE
VBA-4E-G11-ZAJ-F	4 inputs, flat cable connection for AS-Interface
VBA-4E4A-G11-ZAJ/EA2L-F	4 inputs and 4 outputs, flat cable connection for AS-Interface/AUX
VBA-4E-G11-ZAJ-V1	4 inputs, M12 connection for AS-Interface
VBA-4E4A-G11-ZAJ/EA2L-V1	4 inputs and 4 outputs, M12 connection for AS-Interface/AUX

For more information on our AS-Interface G11 modules, visit:

www.pepperl-fuchs.com/g11

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