AS-INTERFACE G10 ULTRA-COMPACT MODULE
THE SOLUTION FOR
DECENTRALIZED APPLICATIONS
The world’s smallest AS-Interface module needs no more than 8 cm³ for each I/O. The one-piece enclosure mounts quickly and securely using a single stainless steel screw. Just 20 mm high, it fits in the cable duct. The M12 connection over the cable output means no other connection lines are required. The decentralized installation optimizes line lengths to sensors and actuators. The G10 from Pepperl+Fuchs is also the ideal AS-Interface module for applications that have just a few I/O.

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

**VERY EASY TO TRANSFORM EVERY SENSOR INTO AN AS-INTERFACE SENSOR**

Ultra-compact enclosure:
Displays for diagnostics, AS-Interface voltage, 2 inputs, 1 output

Cable output means no additional connection cables

IP68/IP69k
THE SMALLEST EVER AS-I MODULE WILL FIT IN THE CABLE DUCT

CUSTOMER BENEFITS

- Mounting possible even in very confined spaces
- Can be placed in the cable duct with no additional mounting requirements
- Decentralized installation reduces amount of wiring required
- One-piece enclosure is quickly installed and gives every standard sensor AS-Interface capabilities
- Gold-plated contact pins with proven sealing capacity provide IP68/69k protection

DECENTRALIZED INSTALLATION

In applications where sensors are widely scattered, the decentralized installation reduces cable lengths. The fact that cable outputs are used means that absolutely no connection cables are required.

FITS EASILY INTO EVERY CABLE DUCT

As the G10 ultra-compact module fits easily into the cable duct, the flat cable remains in the cable tray at all times. The sensors and actuators are connected directly to the cable output.

ONE-PIECE ENCLOSURE

The one-piece enclosure is mounted in seconds: insert flat cable, swivel the top into position, and tighten the central screw. Because the enclosure is so compact, additional mounting requirements are usually not required.

UNIQUE SWIVEL MECHANISM

The unique swivel mechanism above the slots that hold the flat cable ensures that there is a reliable contact.
THE NEW G10 ULTRA-COMPACT MODULES

TECHNICAL DATA AND PRODUCT SELECTION

ELECTRICAL DATA
Sensors supplied from AS-i .......................................................... max. 80 mA 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 POWER24 ................................................................. compatible
AS-Interface specification ............................................................... Spec. 3.0

MECHANICAL DATA
Degree of protection ................................................................. IP68/IP69k
Materials used ................................................................. PA 66 /stainless steel
Shock load ................................................................. 10 g
Temperature range ................................................................. -25 °C ... +75 °C

MODEL NUMBER | DESCRIPTION
-------------|-------------------------------------------------------------
VBA-2E-G10-ZAJ-1M-V1-W | Two inputs, connection via M12 plug
VBA-2E-G10-ZAJ-1M-2V1-W | Two inputs, connection via two M12 plugs
VBA-2E1A-G10-ZAL/E2L-1M-2V1-W | Two inputs and one output, connection via two M12 plugs

Other lengths and pin assignments available on request; assignment: Plug 1 = I1 (pin 4) and I2 (pin 2) plug 2 = O1 (pin 2) and I2 (pin 4)

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

www.pepperl-fuchs.com/g10

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