



# AS-i modules for hygienic areas

Field modules with ecolink M12 screw connection

- The special plastic housing meets the high requirements for food production
- The ecolink screw connection offers ingress resistance up to IP69K
- Robust thanks to full potting
- Wide operating temperature range and high protection rating
- Clearly visible LEDs for operation, switching status and fault indication



**ifm** – close to you!

Version	Current rating per port	Connection technology	Order no.
Passive splitter box, 4 ports	4 A	AS-i / IO-Link	<b>AC2950</b>
Passive splitter box, 8 ports	4 A	AS-i / IO-Link	<b>AC2951</b>
I/O module 2x (2 DI / 1 DO), 2 ports	100 mA (output, supply via AS-i)	AS-i	<b>AC2952</b>
I/O module 4 DI-Y, 4 ports	180 mA (inputs)	AS-i	<b>AC2954</b>
I/O module 4 DI-Y, 4 DO, 8 ports	180 mA (inputs), 1 A (outputs, via AUX; 3.5 A total)	AS-i / AUX	<b>AC2953</b>

### Robust for demanding applications

The special PA housing design, the stainless steel connectors and the high ingress resistance to IP69K enable permanent use in areas with frequent intensive cleaning processes, for example in the food and beverage industry. Thanks to full potting, both the modules themselves and the ecolink M12 connectors reliably withstand shock and vibration loads over the long term. By the way: the ecolink connections are compatible with the M12 connectors usual in industry. However, maximum ingress resistance is only ensured with the ifm ecolink connectors.

### Versions

#### Passive splitter boxes

Passive voltage splitters essentially function like "multiple sockets" for AS-i networks, but also for IO-Link structures. They enable the voltage supply of components such as valve heads, quarter-turn sensors, motor controls and IO-Link masters. Short circuits and excessively high currents are clearly signalled by a red LED. This helps to quickly recognise and rectify malfunctions or damage to the infrastructure, the actuators or the entire system.

#### I/O modules

The digital I/O modules in extended addressing mode enable the connection of sensors and actuators that communicate with the controller via the AS-Interface. In contrast to conventional AS-i modules, the modules here do not use flat cable insulation displacement technology, but M12 round cable connection technology - both at the I/O ports and at the AS-i connection. In this way, they fulfil the special requirements for wet areas.

#### Common technical data

Ambient temperature	[°C]	-25...60
<b>Materials</b> Housing Connector Sealing		PA grey Stainless steel (316L / 1.4404) EPDM
Protection rating		IP65, IP66, IP67, IP69K (operation with stainless steel protective caps: IP69K)

## BEST FRIENDS



**AS-i gateway**  
With PROFINET interface  
and integrated PLC



**Inductive sensors**  
Robust stainless steel housing  
for the food industry



**AS-i illuminated  
pushbutton module**  
Illuminated buttons in stainless  
steel housing



For further technical  
details, please visit:  
[ifm.com/fs/AC2950](https://ifm.com/fs/AC2950)