



**Your automation,
our passion.**



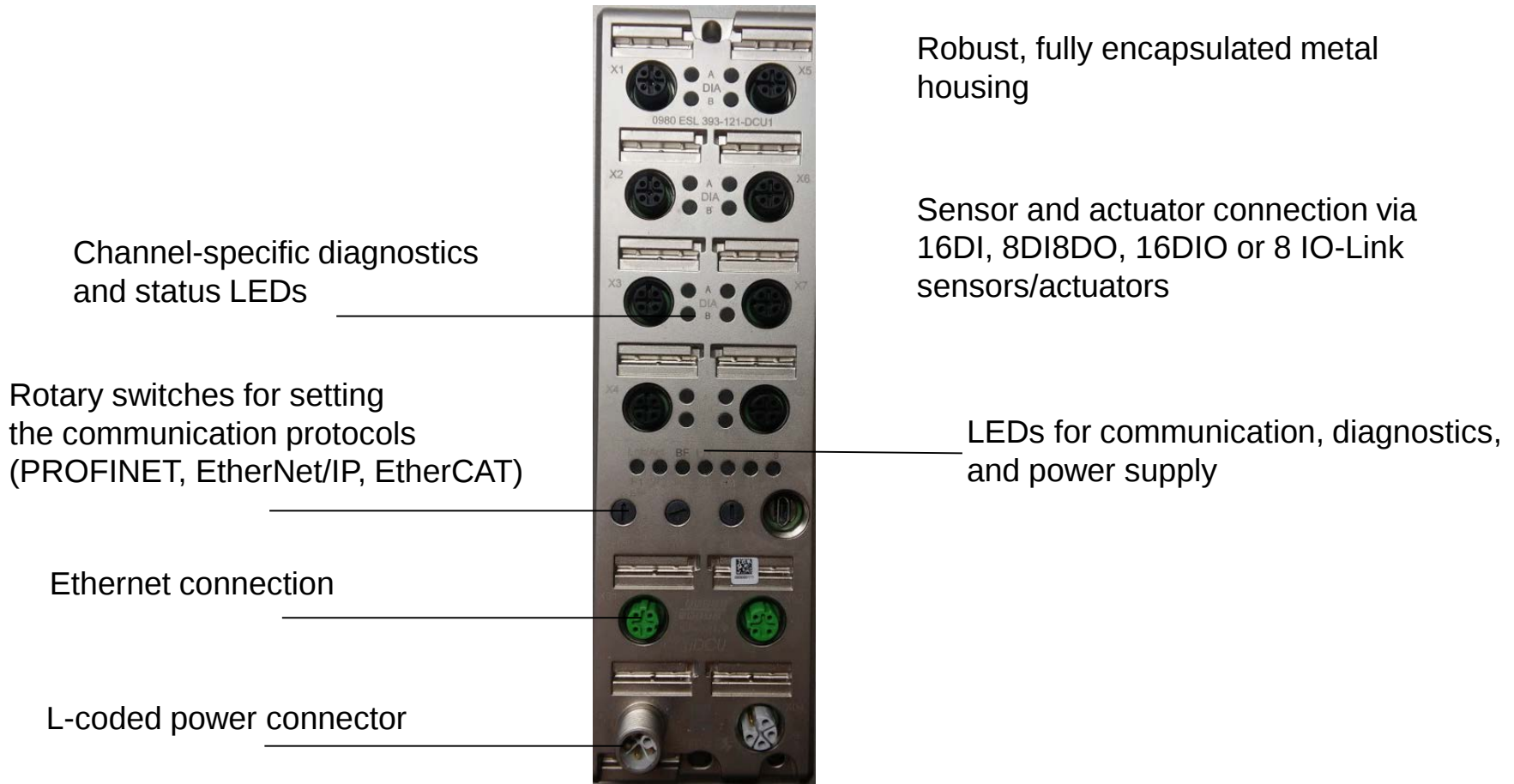
 **PEPPERL+FUCHS**

Key Advantages at a Glance

- **All standard Ethernet communication protocols** are supported in one single module for optimal machine standardization
- **Innovative M12 power connector** for reduced installation costs thanks to higher current capability of 2x16 A for sensors and actuators
- **Integrated IO-Link master** available for continuous diagnostics and parameterization from the control system to the sensor level
- **Integrated, decentralized control function** allows self-sufficient functionality independent of the PLC

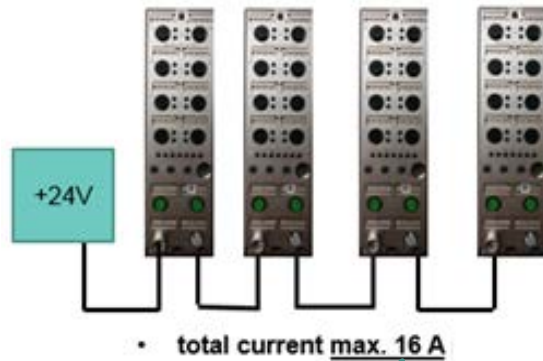


Ethernet IO Module Features

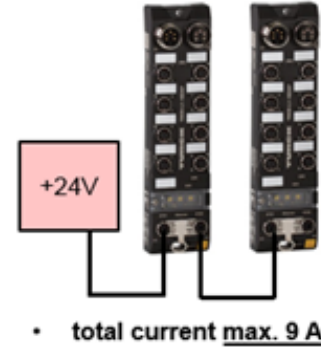


M12-L-Coded Power Connectors

More current capacity = more modules



Pepperl+Fuchs



Competition



Multi-Protocol Capable

All-in-one module

- One module supports multiple Ethernet protocols



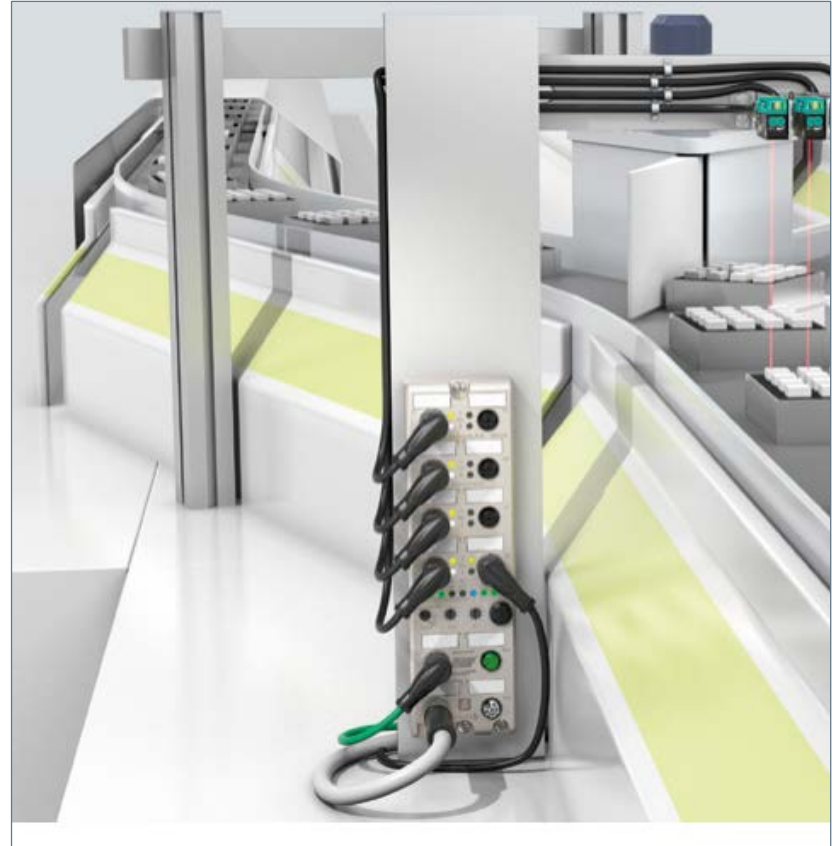
EtherCAT[®]

- First rotary switch** on module configures desired protocol



Integrated, Decentralized Control Function

- Modules are programmed
directly with ladder logic
(independent of PLC)
- Shortens response times and
optimizes communication in
PLC.
- Required LD Micro software
- Programs are created in ladder
logic



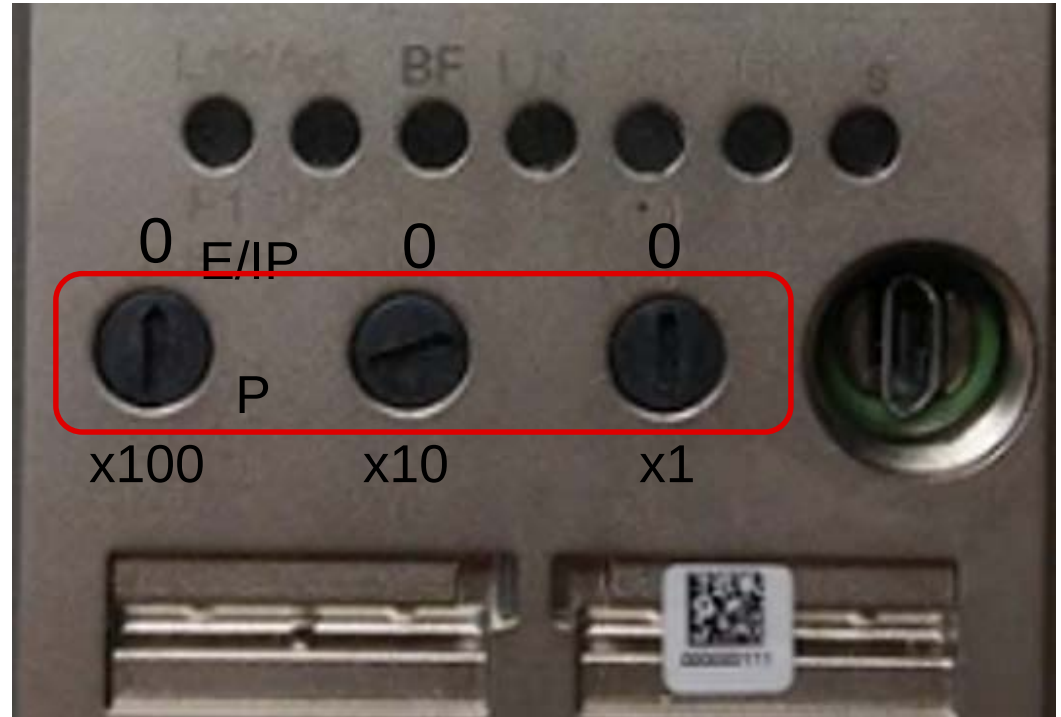
Rotary Switch Configuration

For Ethernet/IP Only

192.168.1.xxx

First three octets

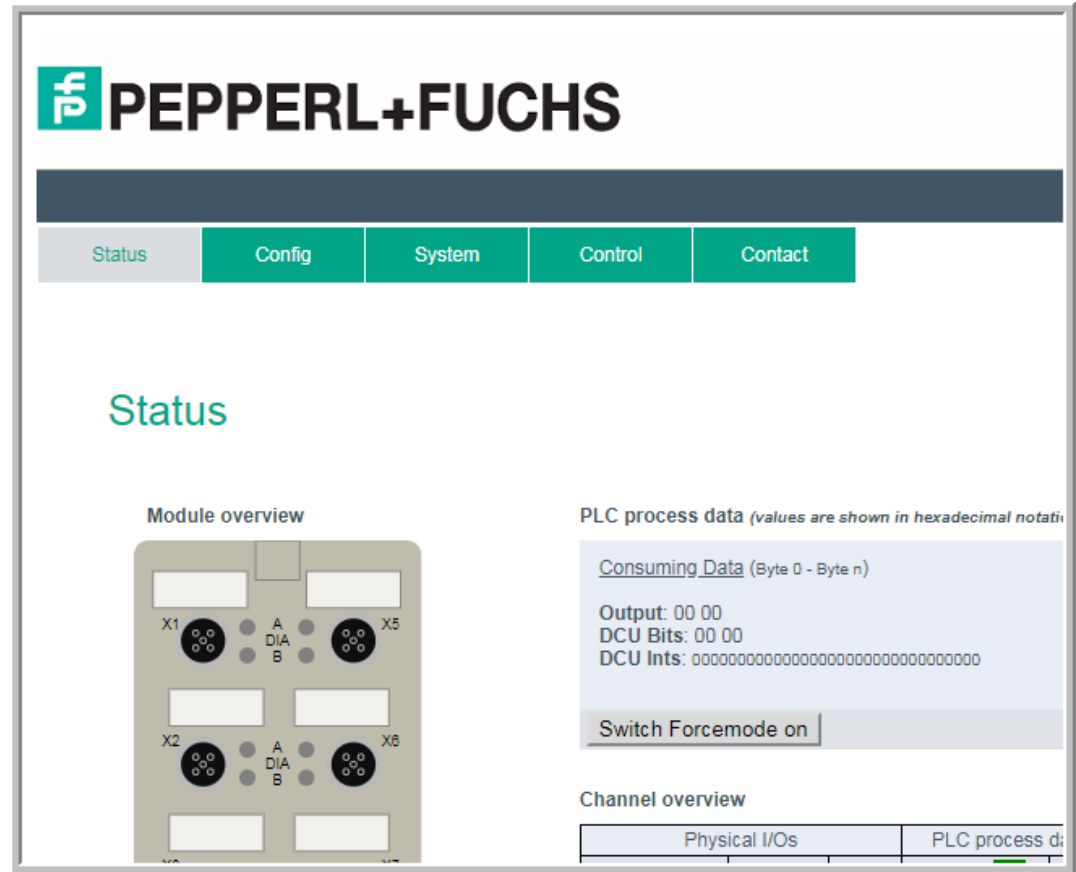
Rotary switches
(x100), (x10), (x1)



Integrated Web Server

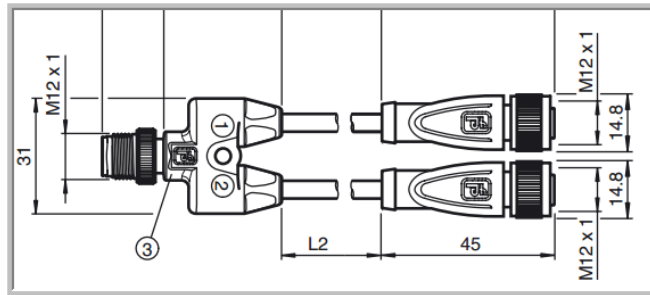
https:// ip address

- Status Page
- Configuration Page
- System Page
- Control Page
- Contact Page



Y-Splitters

- Pepperl+Fuchs offers a variety of Y-splitters, enabling connectivity of multiple devices to a single port



V1-G-BKxxx-PUR-x-T-V1-G

Ethernet IO-Link Master

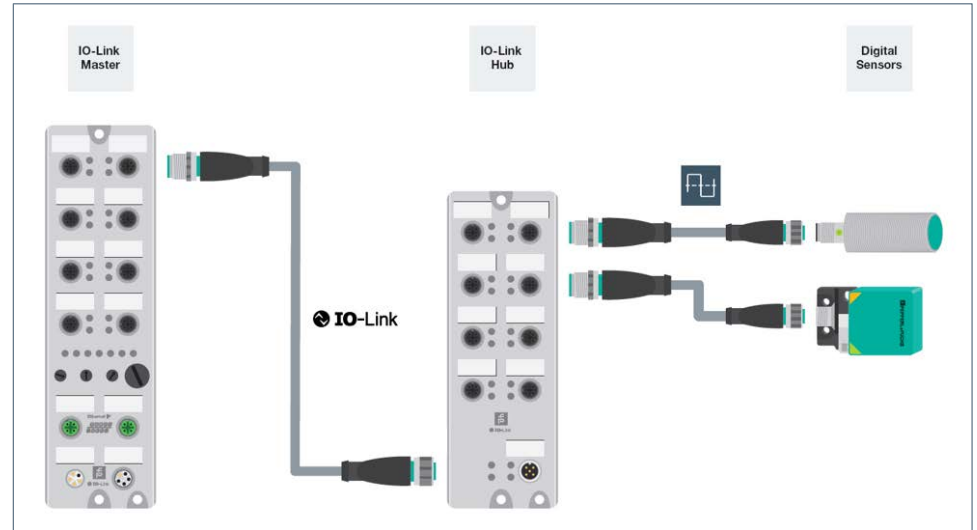
- **Diagnostics and parameterization** down to the sensor-actuator level.
- Simplified **sensor replacement** by automatic transfer of pre-configured parameters.
- **Eight IO-Link channels** for sensors (inputs) and actuators (outputs).
- **Simple wiring** with unshielded standard cables



ICE1-8IOL-G60L-V1D

I/O Hub with IO-Link

- I/O hubs with IO-Link interface **further expand our IO-Link portfolio**
- I/O hubs with IO-Link interface enable customers to collect data from up to **16 digital sensors** and transfer it **via one IO-Link connection** to an IO-Link master
- **Reduces the disadvantage** of consuming IO-Link port with discrete sensor communication



ICA-16DI-G60A-IO

Datasheets:

- ICE1-16DI-G60L-V1D
https://www.pepperl-fuchs.us/usa/en/classid_4994.htm?view=productdetails&prodid=81803
- ICE1-8DI8DO-G60L-C1-V1D
https://www.pepperl-fuchs.us/usa/en/classid_4994.htm?view=productdetails&prodid=81847
- ICE1-8DI8DO-G60L-V1D
https://www.pepperl-fuchs.us/usa/en/classid_4994.htm?view=productdetails&prodid=81848
- ICE1-8IOL-G60L-V1D
https://www.pepperl-fuchs.com/usa/en/classid_4994.htm?view=productdetails&prodid=86682
- ICE1-16DIO-G60L-C1-V1D
https://www.pepperl-fuchs.com/usa/en/classid_4994.htm?view=productdetails&prodid=90340
- ICA-16DI-G60A-IO
https://www.pepperl-fuchs.com/usa/en/classid_4996.htm?view=productdetails&prodid=90342



Thanks
for your attention



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