

# Han® Protect



Pushing Performance  
Since 1945



With Han® Protect blown fuses can be identified with an LED outside of the control cabinet

**Increase the system availability by reducing the Mean Time To Repair (MTTR). HARTING solutions simplify troubleshooting with a fast and easy replacement of fuses.**

Large buildings, like data centers or logistic hubs, require a Building Automation System (BAS) to control Heating, Ventilation and Air Conditioning (HVAC), lighting and security systems.

Like other businesses, the level of automation for these subsystems is constantly rising, which leads to more and more field devices that must be controlled.

The control cabinets for those subsystems are built with fused terminal blocks or circuit breakers to protect the automation devices against short-circuits or overcurrent.

In the event of a short circuit, resolving the fault and finding the broken fuse in one of many control cabinets is a time-consuming task that must be performed by expensive skilled workers. The cabinet, field device, and wiring diagrams must all be checked and troubleshot.

**Han® Protect clearly identifies the blown fuse and enables quick, simple, and tool-less replacement from outside of the control cabinet.**



<https://www.harting.com/Protect>

HARTING Han® Protect

## HARTING.com – the gateway to your local website.



Pushing Performance  
Since 1945



PEOPLE. POWER. PARTNERSHIP.

## HARTING Han® Protect

Simplify troubleshooting on fused I/O lines

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### Plug & Play solution

The coupler adapts the established M12 A-coded interface for sensor and actuator cabling. It can take any 5 x 20mm fuse to protect the building automation devices.

With this connectorized Plug & Play solution the control cabinets and devices can be pre-wired and tested in a time- and cost-efficient manufactory. The installation on site can be reduced to mating the Han® Protect and the deployment time will be reduced significantly.



Time-consuming troubleshooting for control cabinets

#### Benefits at a glance:

- **Space savings of up to 30%** by eliminating extensive fuse terminal rows inside of the control cabinet
- **Reduce the deployment time** with Plug & Play solution which adapts the established M12 A-Coded interface
- **Enable troubleshooting for lower qualified workers** on Extra Low Voltage (ELV) at closed cabinets
- **Increased system availability** due to simplified troubleshooting on broken fuses

### Downsize your control cabinets

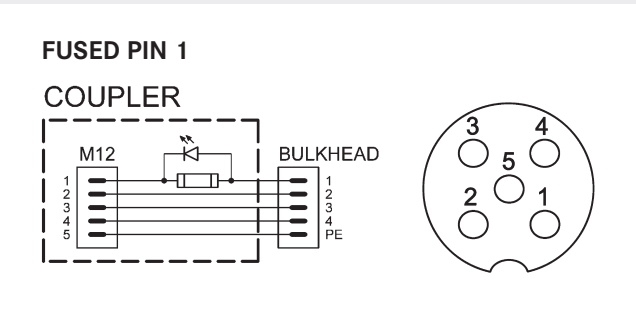
Due to an increasing number of sensors and actuators in a highly automated building, the space consumption of fused terminal blocks in the control cabinets rises, too.

The Bulkhead Mounted Housing of Han® Protect in 3A format is mounted at the outside of the cabinet and can be wired to the I/O panel directly. This makes any space consuming fused terminal blocks obsolete and reduces cabinet size by up to 30%.



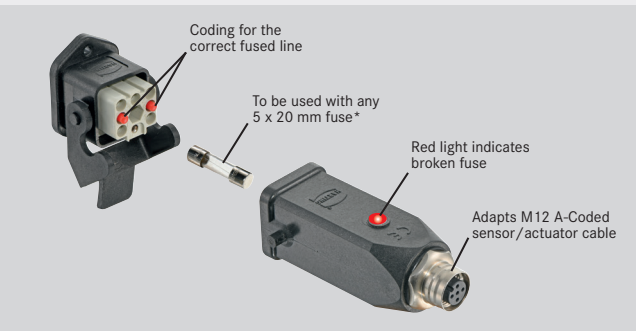
With Han® Protect the size of control cabinets can be reduced by up to 30%

### Technical details



Wiring diagram of fused line 1 (brown) with contact face acc. to IEC 61076-2-101

### Details and part numbers



\*fuse has to be ordered separately

	Han® Protect 3A M12 4/1 Fused	Han® Protect 3A M12 4/2 Fused	Han® Protect 3A M12 4/4 Fused
Fused line	1 brown	2 white	4 black
Coupler			
Part number	10 81 007 1141	10 81 007 1142	10 81 007 1144
Bulkhead Mounted Housing (HBM)			
Part number	10 81 007 0301	10 81 007 0302	10 81 007 0304
Contacts	4 + PE	4 + PE	4 + PE
Rated current / Rated voltage	4 A / 24 V	4 A / 24 V	4 A / 24 V
Termination	M12 A-Coded	M12 A-Coded	M12 A-Coded
Fuse holder size	5 x 20 mm	5 x 20 mm	5 x 20 mm
Cable length	0.76 m	0.76 m	0.76 m

#### General information:

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