

# MCR Plugtrab PT-IQ

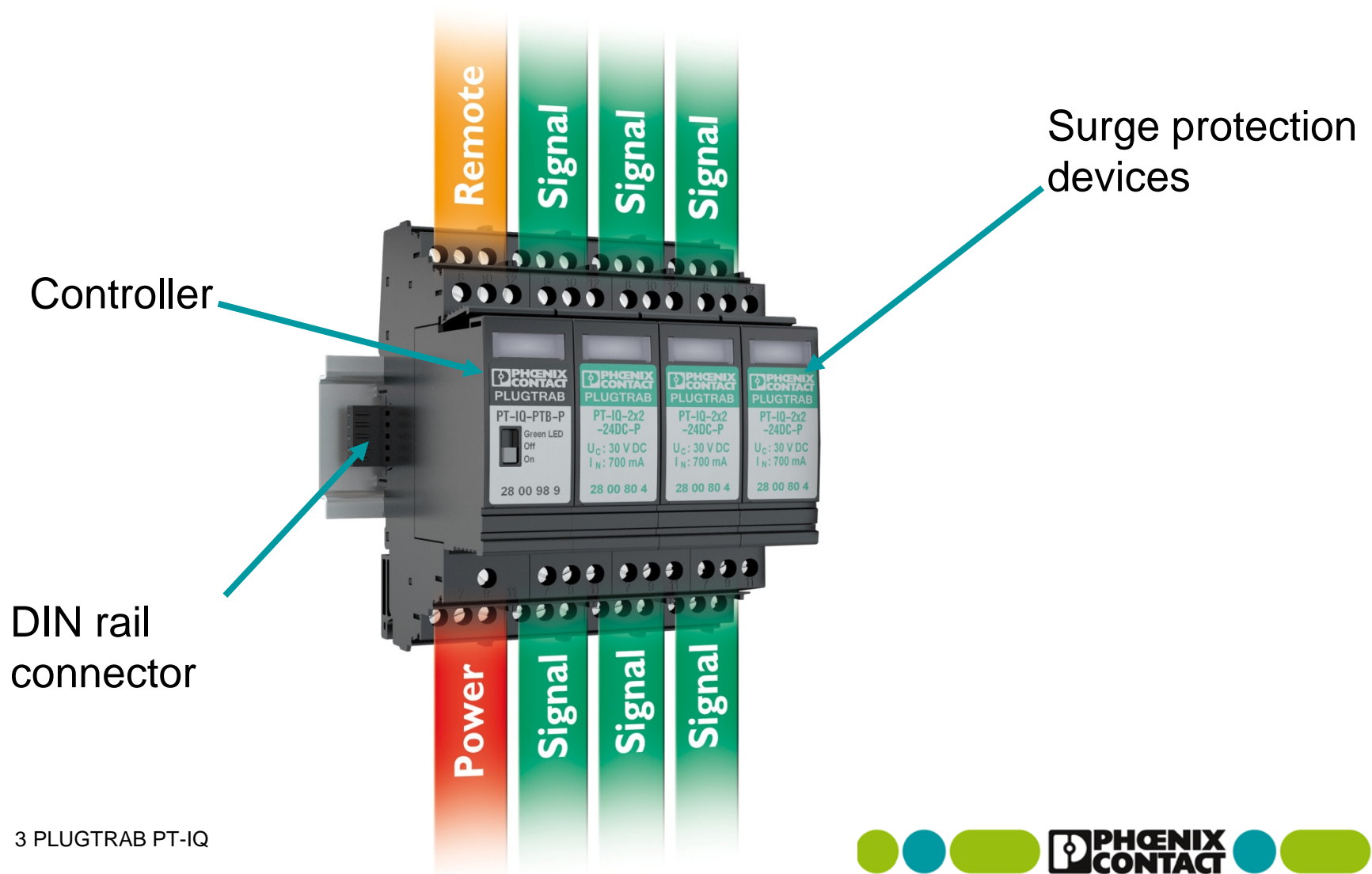
# **Demands on professional surge protection in information technology systems**

- Easy selection of the suitable arrester
- Installation-friendly set-up / Reduced wiring effort
- Information of the status of the surge protection on site in the control cabinet as well as control room
- High performance in the event of surge voltage
- No influence on the signal circuit to be protected
- Space-saving solution – Protection of signals within minimum space



# PLUGTRAB PT-IQ

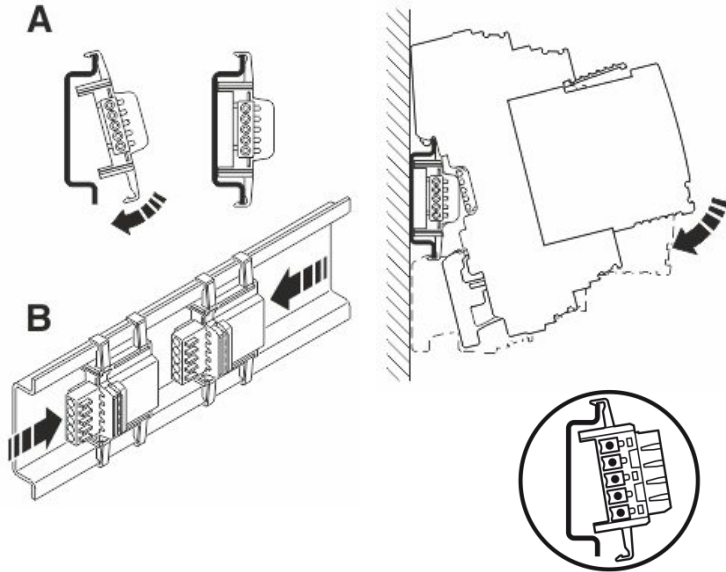
Intelligent and systematic surge protection



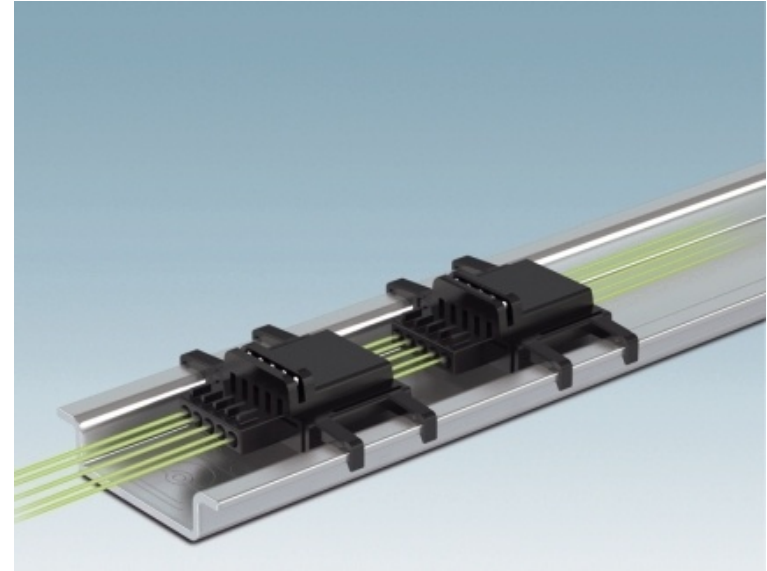
3 PLUGTRAB PT-IQ

# PLUGTRAB PT-IQ

Quick and precise installation



The world's first arrester with  
DIN rail connector for power supply  
and data transmission!

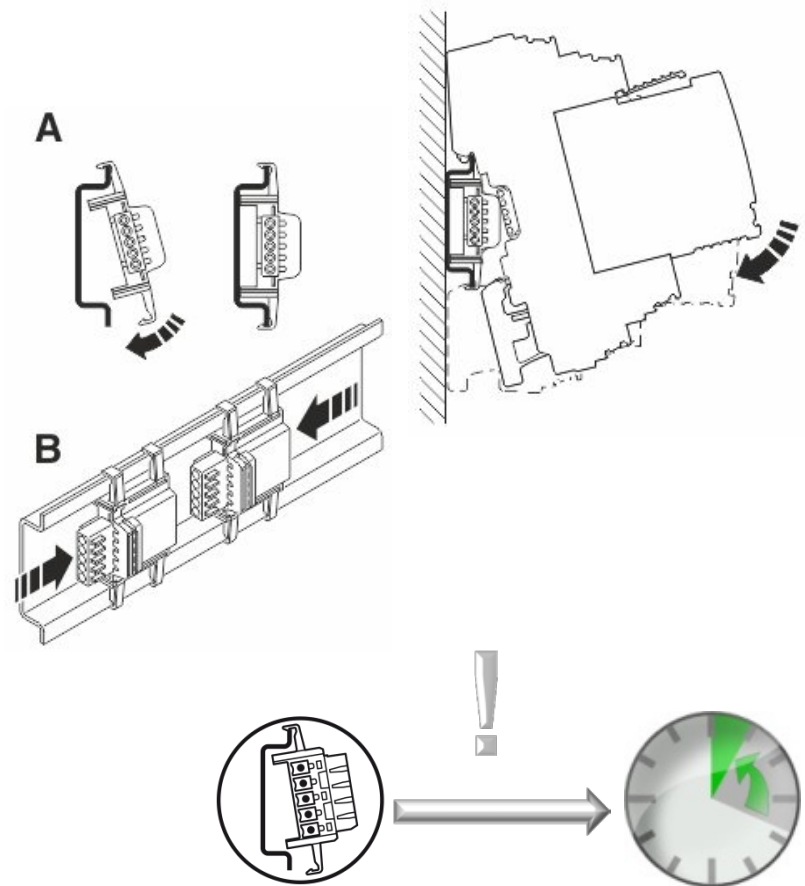


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## Quick and precise installation – Your benefit

- Fast and automatic integration of all arresters into the monitoring concept without any wiring effort
- Prevention of wiring errors
  - Only snap on
- Reliable, manipulation-free connection

➔ Reduction of installation costs



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## Preventive monitoring



**Collective information displayed on the controller:**

At least one arrester is overloaded

At least one arrester is at the limit of performance

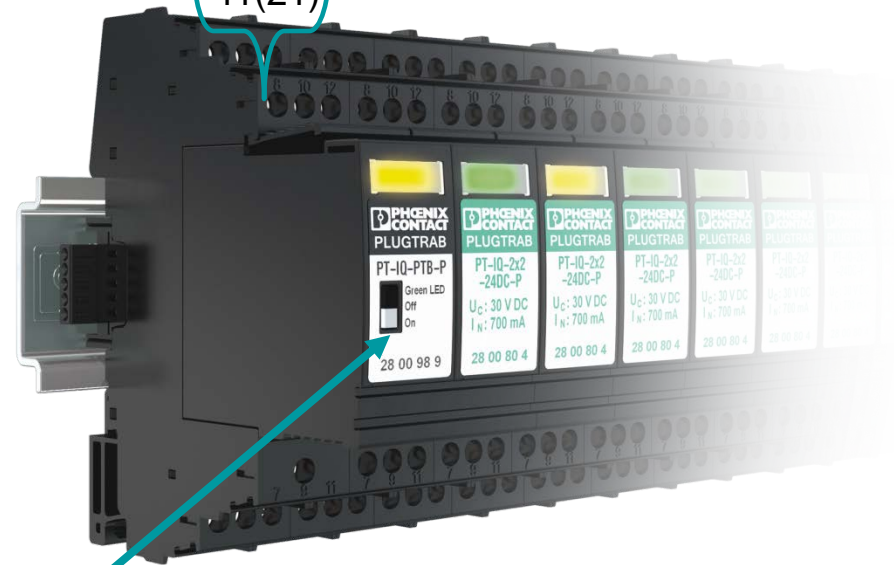
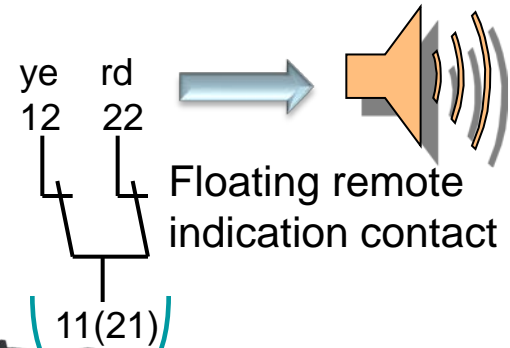
Status check is active, all arresters are OK

**Displayed information on the arrester:**

Arrester is overloaded!

Arrester is at the limit of performance!

Arrester Ok!



Switch for the green LEDs of the surge protection devices

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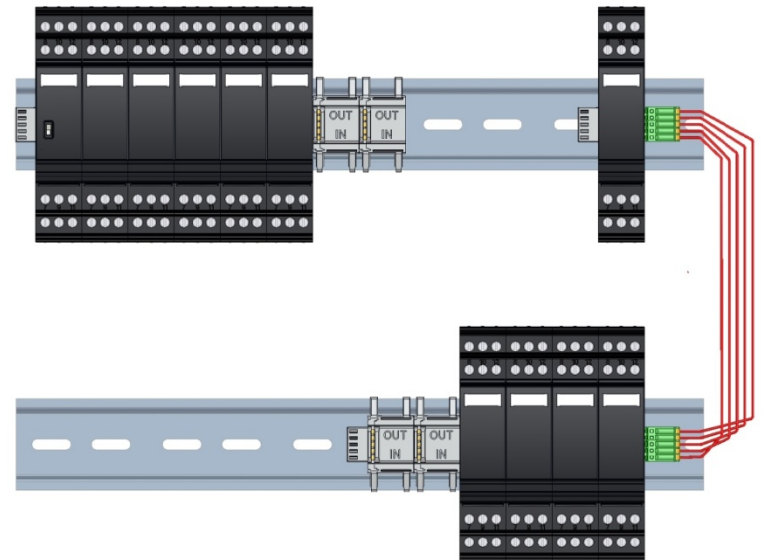
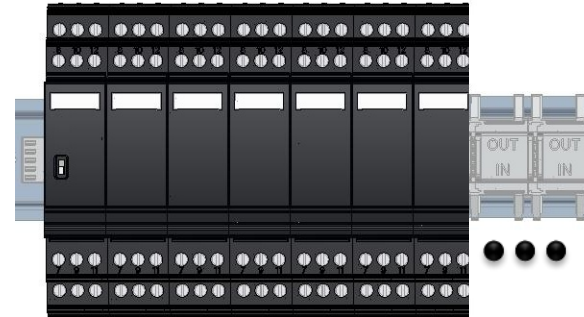
## Preventive monitoring – Your benefit

- Fast and clear identification of overloaded protective plugs on site
- Integration of the status report into the system controller → Monitoring of all arresters from the control room
- Reduction of unnecessary servicing
- Error message in the event of incomplete assembly

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## Unlimited extension – Your benefit

- Reduction of installation costs
  - 1 power terminal block (PTB) monitors up to 28 surge protection devices
- Automatic integration of all newly aligned arresters into the monitoring concept
- Due to the snap on mechanism, the system can be intelligently extended without any wiring
- Flexible adaptation of the system to the installation environment





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## Pluggable to perfection

Pluggable surge protection modules

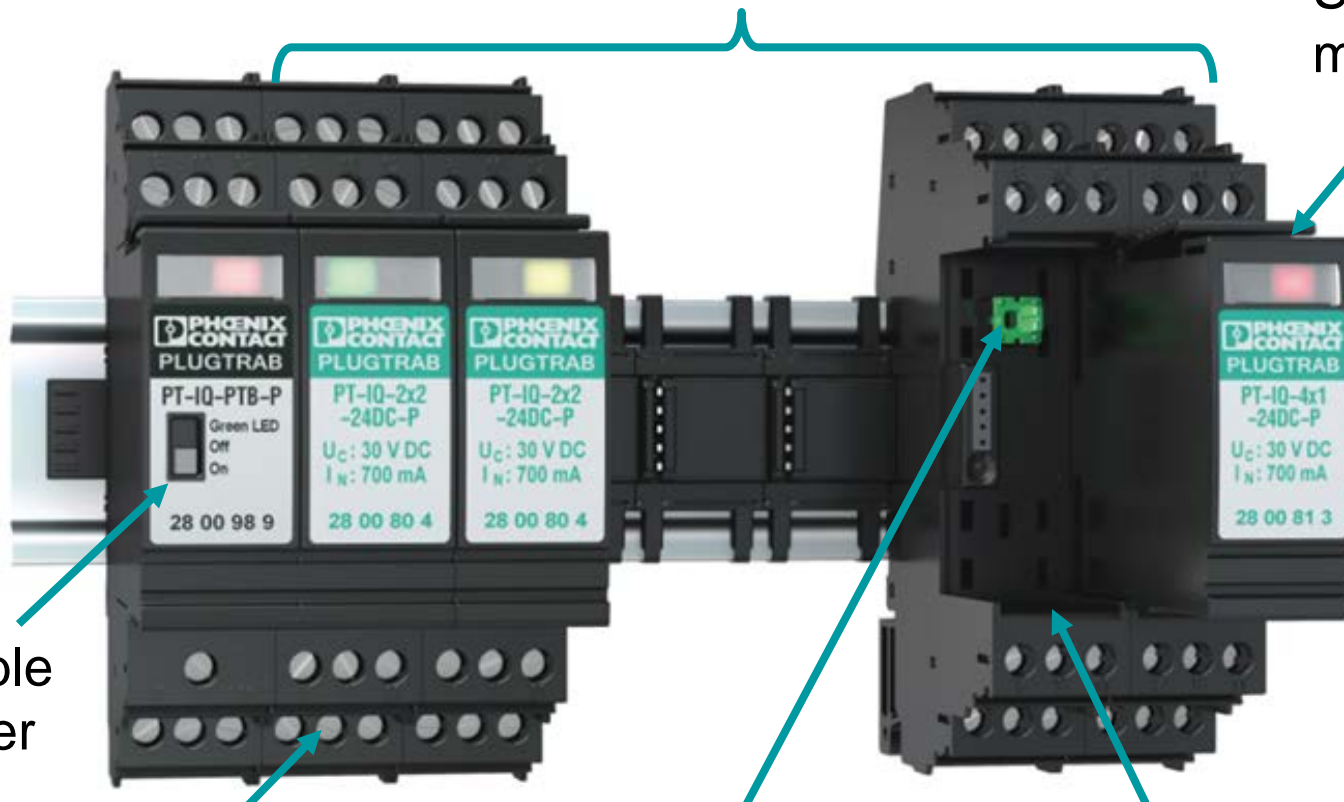
Snap-lock mechanism

Pluggable controller

various connection

Voltage keying

Polarity reversal protection



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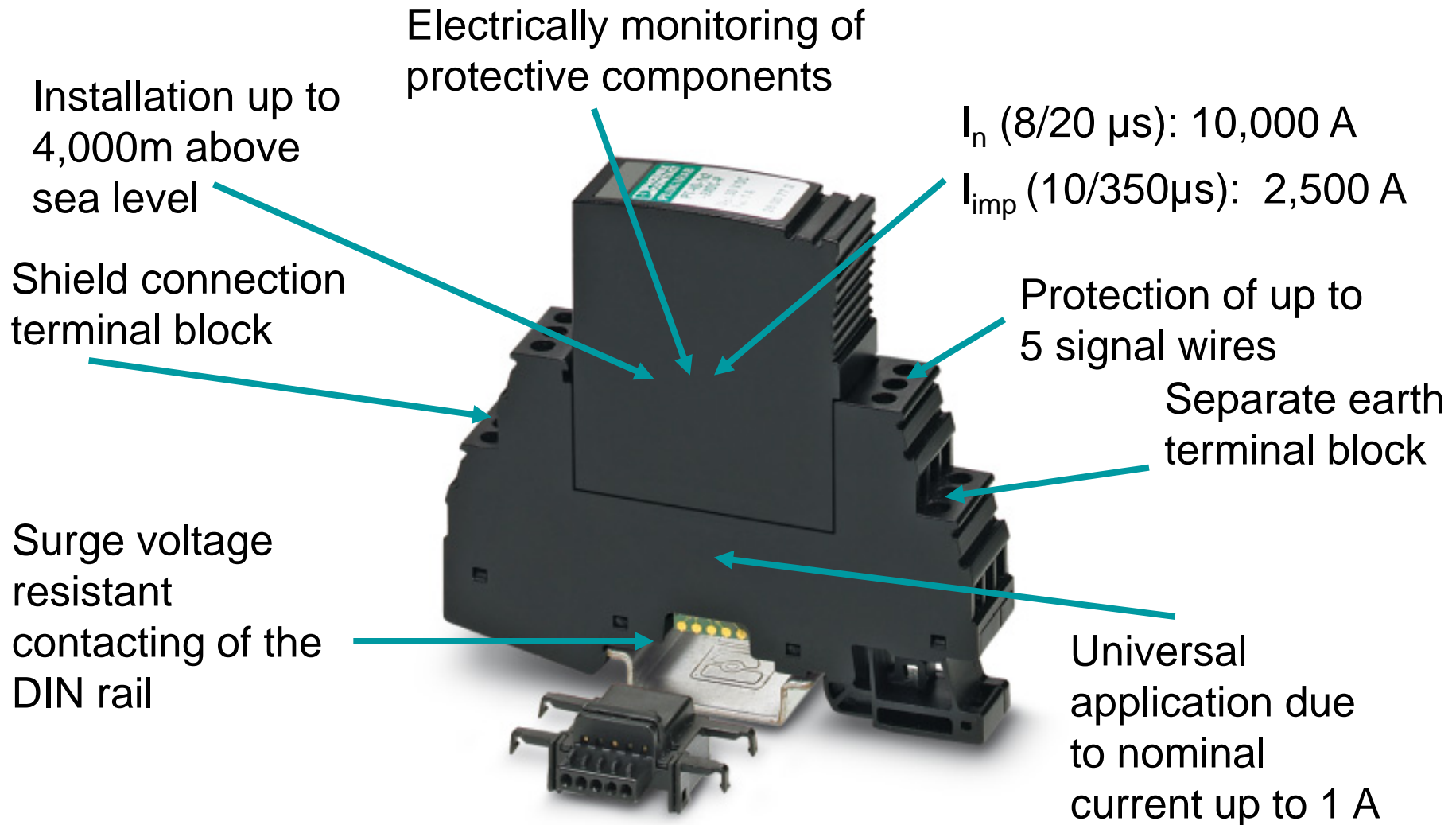
## Pluggable to perfection – Your benefit

- Plugging and unplugging without influencing the signal circuit, impedance-neutral
- Targeted, inexpensive replacement in the event of maintenance
- Service, e.g. insulation measurement without having to disconnect or access the installation
- Snap-lock mechanism for comfortable plugging and unplugging
- Use in rough installation environments
- Reduction of installation errors, e.g. incorrect plugging caused by coding
- Push In and screw connection



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... the new standard in technology



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## Protection of 5 signal wires— Your benefit

Space-saving surge protection in the control cabinet

- for up to 5 signal lines
- e.g. of two 4-20mA current loops with shield connection with just one arrester

➔ Reduction of installation costs

