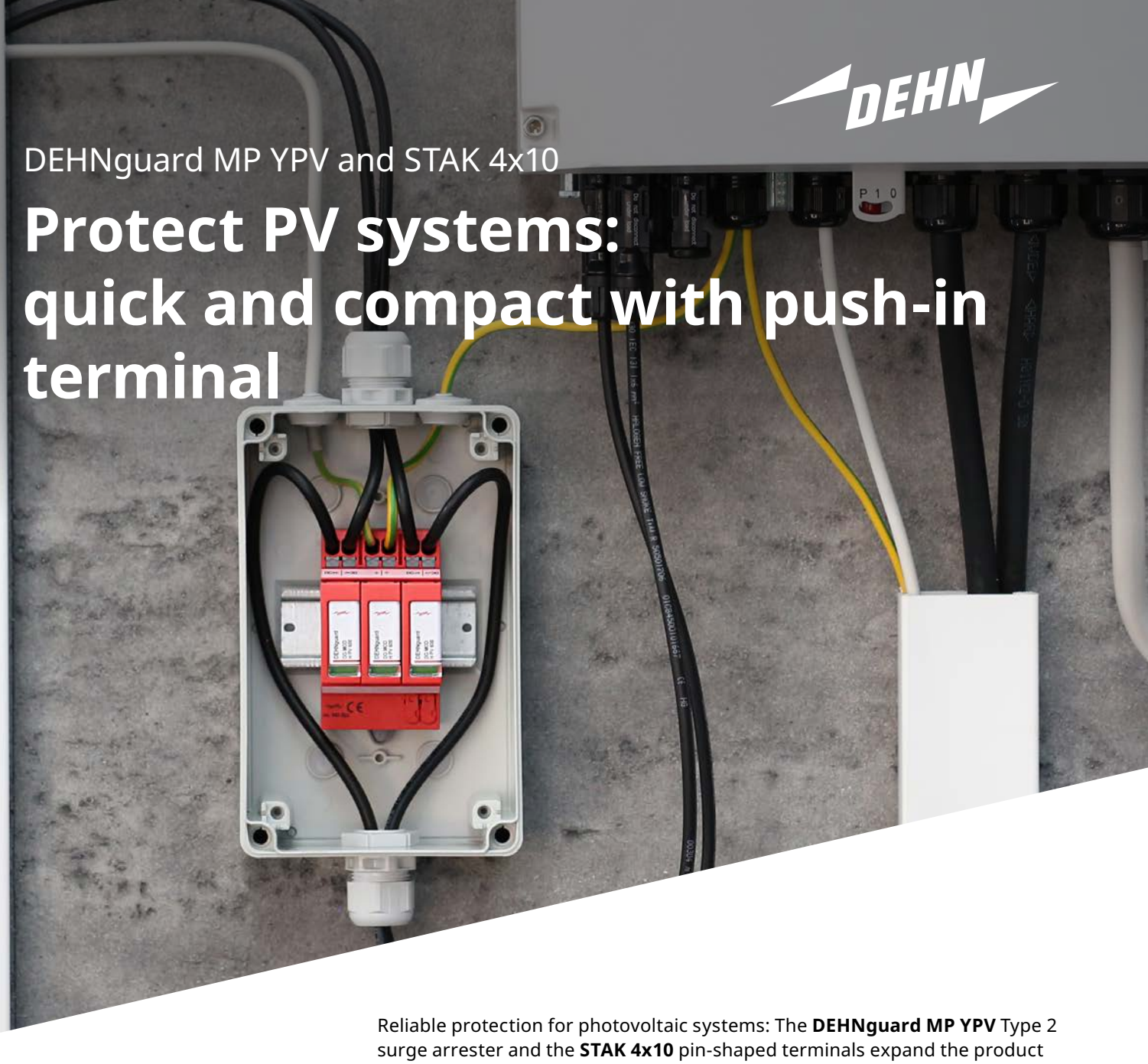
DEHNguard MP YPV and STAK 4x10

Protect PV systems: quick and compact with push-in terminal



Reliable protection for photovoltaic systems: The **DEHNguard MP YPV** Type 2 surge arrester and the **STAK 4x10** pin-shaped terminals expand the product range with practical push-in double terminals. This combined solution for the DC side of the inverter saves you time, space and material during installation.

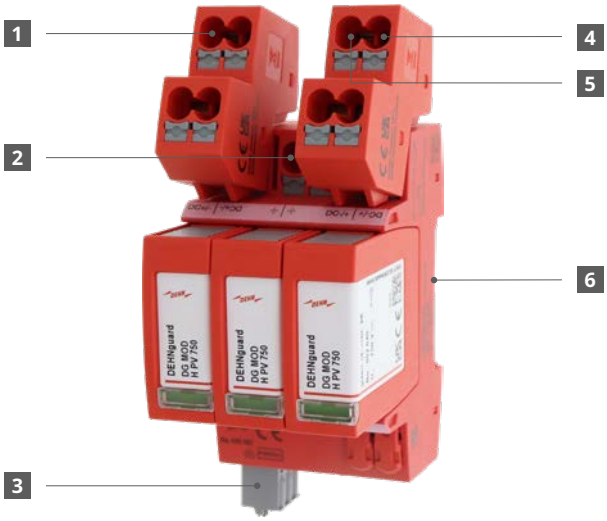
Your benefits at a glance:

Quick: save time. DEHNguard MP YPV and STAK 4x10 are connected using push-in double terminals. Compared to alternative installation variants, there is no need to pre-assemble conductors. This saves on installation time. EMC-optimised feed-through wiring can also be implemented quickly.

Compact: conserve material and space. The new STAK 4x10 pin-shaped terminals collect strings directly on the DEHNguard MP YPV. This means that more space is available – otherwise necessary terminal blocks and the corresponding cables to the surge protective device are no longer required. If space is limited, a smaller enclosure can be used.

Compatible: enjoy flexibility. DEHNguard MP YPV can be used in PV systems as per DIN VDE 0100-712 (IEC 60364-7-71).

The push-in for PV systems



The perfect supplement: With the STAK 4x10 pin-shaped terminals, strings can be collected directly on the surge protective device – this saves time and space when wiring, as additional terminals are not required.

1 **Push-in double terminal** for PV conductor up to 10 mm² (H1Z2Z2-K PV).

2 **PE connection** for cables up to **10 mm²**, flexible, rigid and fine-stranded.

3 **Remote signalling contact for easy remote monitoring**, connection using push-in technology.

4 Fewer installation errors through **visible clamping** and clear terminal designation.

5 **EMC-optimised feed-through wiring** as per IEC 60364-5-53.

6 **Certification** to VDE as type 2.

Technical data

	DG MP YPV 1200 FM	DG MP YPV 1500 FM	STAK 4x10
SPD according to EN 61643-31	Type 2 / class II	Type 2 / class II	Optional accessories
Max. PV voltage (U_{CPV})	1170 V	1500 V	1500 V
Short-circuit strength (I_{SCPV})	10 kA	10 kA	10 kA
Voltage protection level (U_P)	≤ 4 kV	≤ 5 kV	—
Nominal discharge current (8/20 µs) [(DC+/DC-) -> PE] (I_n)	20 kA	15 kA	20 kA
Width	3 standard DIN modules	3 standard DIN modules	1 standard DIN module
Pluggable	yes Single Module	yes Single Module	yes —
Remote signalling contact	yes	yes	—
Part no.	**942 565**	**942 567**	**952 588**

Important to know

Please note that surge protection measures are also required on the DC side if

- surge protection measures are required on the AC side and
- protection of the inverter is to be ensured.

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DS220/EN/0425
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Learn more about the DEHNguard MP YPV:
https://de.hn/6AYBC

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