## SURGE PROTECTION



> The CORE1 is prepared for surge protection modules Type 2 - at the PV inputs as well as the AC output.

> Two new retrofit packs are available AC\_SPD\_KIT-10 DC\_SPD\_KIT-40

#### **PV** inputs

> 9 modules (6x PV+, 2x PV-, 1 PV-PE)

> monitoring via communications board

Surge Ratings: I<sub>Total</sub> = 50 kA (8/20 µs) EN/UL Category: Type 2 / Type 1CA Protective Elements: High Energy MOV Housing: Pluggable Design

Compliance: EN 50539-11:2013 + A1:2014

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#### **AC** output

> 4 modules (L1/L2/L3/N)

> not monitored - less liklely, central detection at AC mains possible Network Systems: TT, TN-S Mode of Protection: L-N, N-PE

Surge Ratings: I = 20kA (8/20µs)

IEC/EN/UL Category: Class II / Type 2 / Type 1CA Protective Elements: High Energy MOV and GDT

> Housing: Pluggable Design Compliance: IEC 61643-11:2011 EN 61643-11:2012

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### Surge protection for Ethernet?

> not foreseen due to high cost - 3rd party adapter solutions

# SINGLE LINE DIAGRAM



