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Designed and Manufactured in the EU



Switchboards for
Photovoltaics



Intelligent Control
Systems



Charging Stations for
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Safety Components



Surge Protectors



Monitoring Systems

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Switchboard R-FVE-A40-1 – protection class I+II (with AC Arrester)



R-FVE-A40-1/AC

Wall mounting. IP65. 3P PV operation (typically GoodWe 4 to 10K-ET inverter). Minimal intervention in the customer's switchboard - Smartmeter, common breakdown point and fuses are part of this switchboard. Just make a loop between the main switchboard and the location of the technology. The switchboard also has a crisis disconnection of the HDO inverter (N0%). The R-FVE-A40-1 switchboard is designed for a main circuit breaker in a column of maximum 40 A. It also contains DC fuse disconnectors and surge arresters.

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PRODUCT DESCRIPTION

AC+DC switchboards designed for wall mounting, IP65 used to operate a three-phase photovoltaic power plant (typically a Goodwe 4 to 10K-ET inverter).

An indisputable advantage is minimal intervention in the customer's switchboard - Smartmeter (inverter measurement), the common breakdown point and all fuses are part of this switchboard. It is enough to make a loop between hl. switchgear and technology placement. The switchboard is also equipped with an emergency disconnection of the HDO inverter (N0%). The R-FVE-A40-1 switchgear is designed for the main circuit breaker in the column with a maximum of 40 A. It also includes DC fuse disconnectors and overvoltage arresters.

| Code | Manufacturer | Product | Description | Number of pieces |
|------------------|--------------|----------------------------------|--|------------------|
| 174202 | EATON | IKA-3/54-ST | Switchboard ON IP65 plaster, transparent door, 3 rows, 54 modules | 1 |
| 158331 | EATON | SPBT12-280/4 | Surge arrester class T1+T2 (B+C), 4-pole set for TN-S | 1 |
| 276272 | EATON | IS-40/3 | Main switch, 240V, 40A, 3HP | 1 |
| 3722 | ELKO EP | HRN-55 | Monitoring voltage relay | 1 |
| 40528230 + 95.65 | FINDER | 2P/8A 230VAC 40.52.8.230.0000 | Finder RELAY | 1 |
| 248852 | EATON | Z-SCH-230/40-40 | Installation contactor, 230VAC/50Hz, 4S, 40A | 1 |
| 286586 | EATON | PL6-B6/3 | Circuit breaker PL6, characteristic B, 3-pole, Icn=6kA, In=6A | 1 |
| 286590 | EATON | PL6-B20/3 | Circuit breaker PL6, characteristic B, 3-pole, Icn=6kA, In=20A | 1 |
| 286516 | EATON | PL6-B2/1 | Circuit breaker PL6, char B, 1-pole, Icn=6kA, In=2A | 1 |
| 177256 | EATON | SPPVT12-10-2+PE | Surge arrester T1+T2 (I+II, B+C), photovoltaic applications 1000V DC, max. short-circuit current 1000A | 2 |

| Code | Manufacturer | Product | Description | Number of pieces |
|---------|---------------|--------------------------|--|------------------|
| 2625085 | EATON/ETI/OEZ | CH10x38 gPV 15A/1000V DC | Ultra fast cylindrical fuse for photovoltaics, (UL standard), 10x38mm, 1100V DC, 15A | 4 |
| CHPV2U | EATON | CHPV2U | Fuse disconnecter, photovoltaic applications, 2-pole, 1000V AC / 30A, C10 (10x38mm) | 2 |