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4.4R-FVE-A40-1



AC + DC switchboards designed for wall assembling, IP65 used for three-phase operation photovoltaic power plants (typically GoodWe 4 to 10K-ET inverter)

The undeniable advantage is the minimal intervention in the customer 's switchboard - Smartmeter (measurement inverters), a common breakdown points and all fuses are part of this switchgear. Enough thus, to make a loop between the main switchboard and the location of the technology.

It's in the switchboard crisis disconnection of the HDO inverter is also prepared (N0%). The R-FVE-A40-1 switchboard is designed for main circuit breaker in the pole maximum 40 A. It also contains DC fuse switch-disconnectors and arrester surge

List of main components:

Switchboard EATON **IKA-3/54-ST**, surge arrester class T1 + T2 EATON **SPBT12-280 / 4**, main switch EATON **IS40 / 3**, inverter protection EATON **PL6-B16 / 1**, contactor including monitoring relay **ELKO HRN-55** and contactor EATON **Z-SCH230 / 40-40**, protection for measurement and control, circuit breakers **EATON PL6** + relay for crisis HDO control. Surge arrester EATON **SPPVT12-10-2 + PE** or EATON **SPPVT2-10-2 + PE**. EATON **CHPV2U** fuse switch-disconnectors including EATON gPV fuses **PV-15A10F**.

You will find a detailed list of components in the documentation tab, together with the diagrams and all documentation.

R-FVE-A40-1 - protection class I + II - List of components

Code	Producer	Product	Description	Number of pieces
174202	EATON	IKA-3/54-ST	IP65 flush-mounted switchboard, 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
3772	ELKO EP	HRN-55	Voltage monitoring relay	1
40528230 + 95.65	FINDER	2P/8A 230VAC 40.52.8.230.0000	RELAY Finder	1
248852	EATON	Z-SCH-230/40-40	Installation contactor, 230VAC / 50Hz, 4S, 40A	1
286586	EATON	PL6-B20/3	Circuit breaker PL6, characteristic B, 3-pole, I _{cn} = 6kA, I _n = 6A	1
286590	EATON	PL6-B20/3	Circuit breaker PL6, characteristic B, 3-pole, I _{cn} = 6kA, I _n = 20A	1
286516	EATON	PL6-B2/1	Circuit breaker PL6, char B, 1-pole, I _{cn} = 6kA, I _n = 2A	1
177256	EATON/ETI/OEZ	SPPVT12-10-2+PE	Surge arrester T1 + T2 (I + II, B + C), photovoltaic applications 1000 V DC, max. short circuit. current 1000A	2
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 switch-disconnector, photovoltaic applications, 2-pole, 1000V AC / 30A, C10 (10x38mm)	2

R-FVE-A40-1 - Diagram

