

## DCU 2 YPV 1+2 1200 3M 1S MC4 FM (900 988)

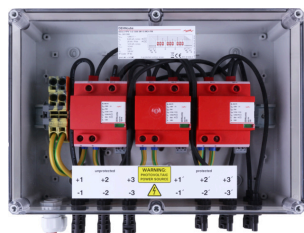
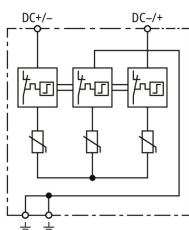
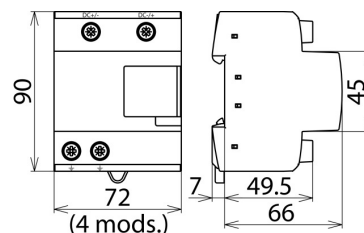


Figure without obligation



Basic circuit diagram DCU 2 YPV 1+2 1200 3M 1S MC4



Dimension drawing DCU 2 YPV 1+2 1200 3M 1S MC4

Generator junction box for PV systems of up to 1200 V DC for protecting three MPP inputs and one string each.

Type	DCU 2 YPV 1+2 1200 3M 1S MC4 FM	
Part No.	900 988	
SPD according to EN 61643-31 / IEC 61643-31	type 1 + type 2 / class I + class II	
Max. PV voltage [DC+ -> DC-] ( $U_{CPV}$ )	1200 V	
Max. PV voltage [DC+/DC- -> PE] ( $U_{CPV}$ )	1200 V	
Short-circuit current rating ( $I_{SCPV}$ )	10 kA	
Total discharge current (10/350 $\mu$ s) [DC+/DC- -> PE] ( $I_{total}$ )	12.5 kA	
Total discharge current (8/20 $\mu$ s) [DC+/DC- -> PE] ( $I_{total}$ )	40 kA	
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA	
Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )	40 kA	
Lightning impulse current (10/350 $\mu$ s) [DC+ -> PE/DC- -> PE] ( $I_{imp}$ )	6.25 kA	
Voltage protection level ( $U_P$ )	< 3.8 kV	
Nominal load current ( $I_L$ )	40 A	
Response time ( $t_A$ )	$\leq 25$ ns	
Operating temperature range ( $T_U$ )	-35°C to +60°C	
Operating state / fault indication	green / red	
Number of ports	1	
cross-sectional area ( $\frac{1}{2}$ ) (min.)	2x 10 mm <sup>2</sup> / 1x 16 mm <sup>2</sup>	
cross-sectional area ( $\frac{1}{2}$ ) (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> fine-stranded	
Cross-sectional area for MC4 connector (DC+, DC-) (min.)	2.5 mm <sup>2</sup> fine-stranded	
Cross-sectional area for MC4 connector (DC+, DC-) (max.)	10 mm <sup>2</sup> fine-stranded	
Place of installation	indoor installation	
Degree of protection	IP 65	
Rated insulation voltage (DC) ( $U_i$ )	1500 V	
Type	With pressure compensating element	
Cover	Transparent cover with product label	
Colour of enclosure	grey	
Number of cable entries	6x original MC4 plug (PV-ADS4-EVO 2A), 6x original MC4 socket (PV-ADB4-EVO 2A)	
Number of cable entries	2x M20	
Weight	3,7 kg	
Customs tariff number (Comb. Nomenclature EU)	85372091	
GTIN	4013364534759	
PU	1 pc(s)	

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.