

DCU 2 YPV 1+2 1000 3M 2S FM (900 978)

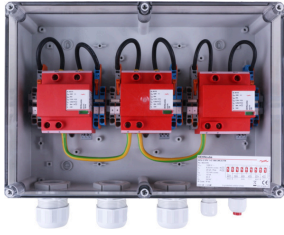
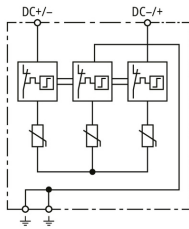
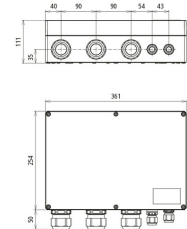


Figure without obligation



Basic circuit diagram DCU 2 YPV 1+2 1000 3M 2S FM



Dimension drawing DCU 2 YPV 1+2 1000 3M 2S FM

Generator junction box for PV systems of up to 1000 V DC with disconnecting clamps for protecting three MPP inputs and two strings each. With surge protection and push-in terminals for the input and output.

Type	DCU 2 YPV 1+2 1000 3M 2S FM
Part No.	900 978
SPD according to EN 61643-31 / IEC 61643-31	type 1 + type 2 / class I + class II
Max. PV voltage (U_{CPV})	1000 V
Short-circuit current rating (I_{SCPV})	10 kA
Total discharge current (8/20 μ s) (I_{total})	40 kA
Total discharge current (10/350 μ s) [DC+/DC- -> PE] (I_{total})	12.5 kA
Nominal discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I_n)	20 kA
Max. discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I_{max})	40 kA
Lightning impulse current (10/350 μ s) [DC+ -> PE/DC- -> PE] (I_{imp})	6.25 kA
Voltage protection level (U_p)	≤ 3.8 kV
Nominal load current (I_L)	30 A
Response time (t_A)	≤ 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 ($\frac{\pm}{\pm}$) (min.)	2x 10 mm ² / 1x 16 mm ²
cross-sectional area ($\frac{\pm}{\pm}$) (max.)	35 mm ² stranded / 25 mm ² fine-stranded
cross-sectional area (DC+, DC-) (min.)	2.5 mm ² fine-stranded
Cross-sectional area (DC+, DC-) (max.)	6 mm ² fine-stranded
Place of installation	outdoor
Degree of protection	IP 65
Rated insulation voltage (DC) (U_i)	1000 V
Type	with pressure compensating element
Cover	transparent cover with product label
Colour of enclosure	grey
Number of cable entries	3x 6-fold cable gland
Number of cable entries	2x M20
Type of remote signalling contact	Changeover contact
Switching capacity (a.c.)	250 V / 0.5 A
Switching capacity (d.c.)	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A
Cross-sectional area for remote signalling terminals	max. 1.5 mm ² solid / fine-stranded
Weight	3,06 kg
Customs tariff number (Comb. Nomenclature EU)	85372091
GTIN	4013364534766
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.