

DATA SHEET

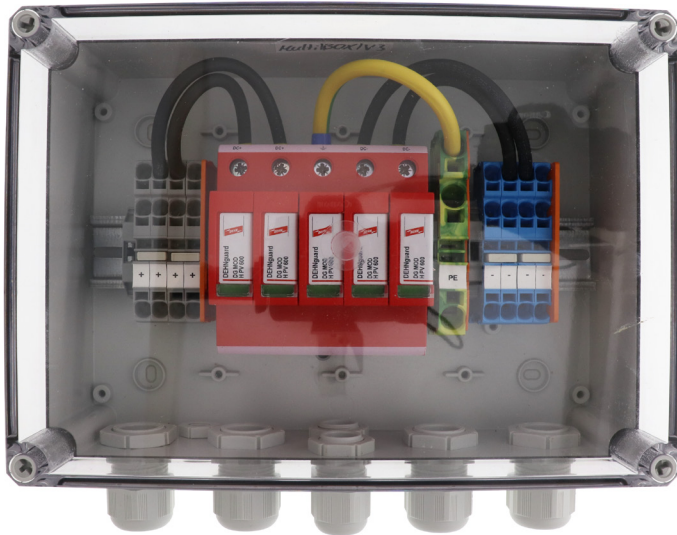
DEHNCube Typ DCU 2 YPV 1100 2M 2S

GAK-S-1100-2x2R-X-Y-PC-1.0_DEHNCube (900 923)

Art.No. 10017263

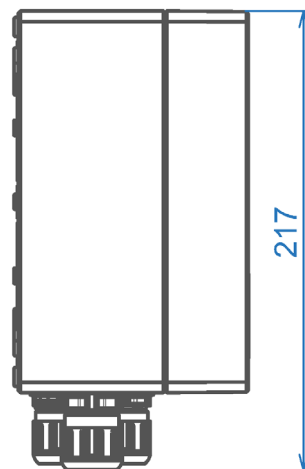
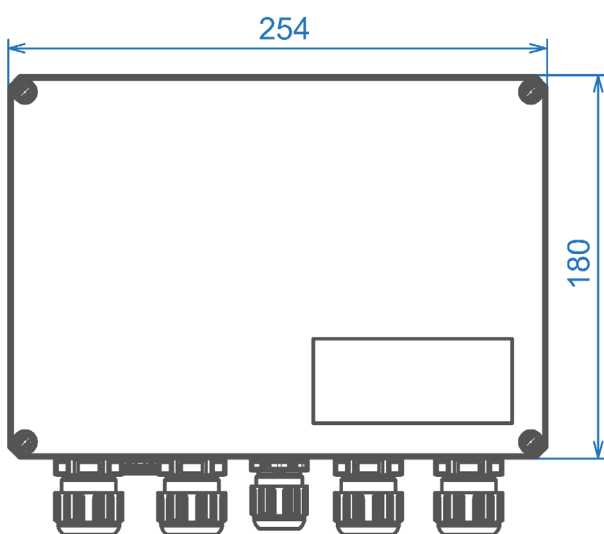
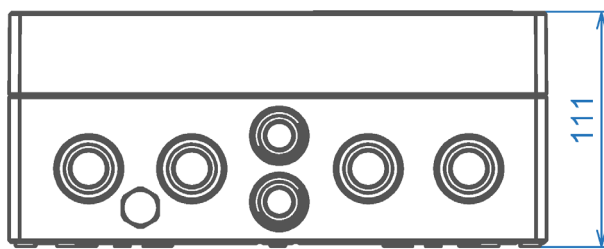
All values in [mm]
Dimensions

„blue“



Minimum Distances

top	200
bottom	200
lateral	100
front	800



TECHNICAL DATA

NOMINAL VALUES

Rated insulation voltage U_i	[VDC]	1100
Rated operating voltage U_e	[VDC]	1100
Rated current I_{nA} ($= \sum I_{SC\ STC}$)	[ADC]	64
Dimensioning value* $I_{SC\ MAX}$ ($= \sum I_{SC\ STC} \times 1,25$)	[ADC]	80
Number of isolated MPP inputs		2
Max. number of PV strings IN/OUT		4/2

PER STRING

Rated current I_{nc} ($= I_{SC\ STC}$)	[ADC]	16
Dimensioning value* $I_{SC\ MAX}$ ($= \sum I_{SC\ STC} \times 1,25$)	[ADC]	20

OVERVOLTAGE PROTECTION

Test category acc. to EN 61643-11 (Type)		II
Max. permissible continuous voltage U_{cpv}	[VDC]	1100

INPUT (TO THE PV-GENERATOR)

<u>Cable entry</u>		
Cable glands (EN 50262)		M25 with multiple seal (3x)
<u>Connections</u>		
Connection type		push-in cage clamp
Stripping length	[mm]	12
<u>Wire cross-section (from-to)</u>		
Cu-fine stranded	[mm ²]	2,5 - 6
Cu-solid	[mm ²]	2,5 - 6

OUTPUT (TO THE PV-INVERTER)

<u>Cable entry</u>		
Cable glands (EN 50262)		M25 with multiple seal(3x)
<u>Connections</u>		
Connection type		push-in cage clamp
Stripping length	[mm]	12
<u>Wire cross-section (from-to)</u>		
Cu-fine stranded	[mm ²]	2,5 - 6
Cu-solid	[mm ²]	2,5 - 6

EARTH CONNECTION

<u>Cable entry</u>		
Cable glands (EN 50262)		M20
<u>Connections</u>		
Connection type		push-in cage clamp
Wire cross-section	[mm ²]	16

GENERAL DATA

Dimensions WxHxD (without cable glands)	[mm]	254 x 180 x 111
Weight, approx.	[kg]	1,8
Operating temperature range	[°C]	-25...+35
Temperature - transport/storage	[°C]	-25...+35
Humidity - condensing allowed		yes
Humidity - permitted range	[%]	5...95
Max. altitude above sea level	[m]	2000
Protection class IP (EN 60529)		65
Outdoor suitability (protected area)		yes
Protection against electric shock (EN 61140)		II
Enclosure material		polycarbonat
RoHS-conformity (2011/65/EU)		yes
Enclosure colour		RAL7035
Cover		transparent
Mounting method		wall mounting
Locking system		screw cover
<u>MISCELLANEOUS</u>		
Customs tariff number		85372091

* the dimensioning value $I_{SC\ MAX}$ acc. to VDE 0100-712:2016-10, implies the factor 1.25 for $I_{SC\ STC}$ of the PV module, or of the PV string.