

# DATA SHEET

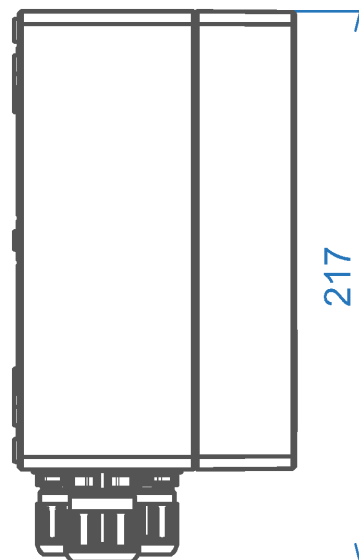
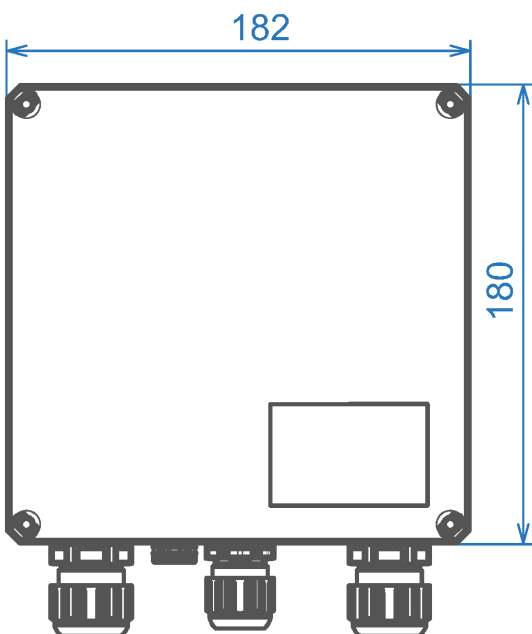
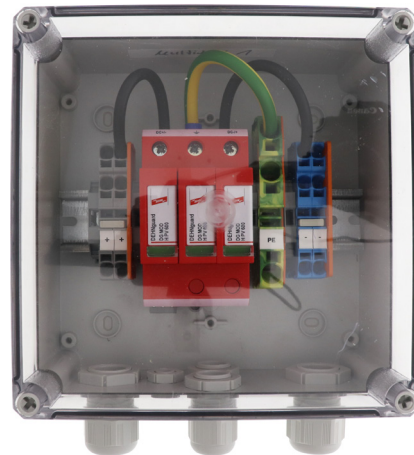
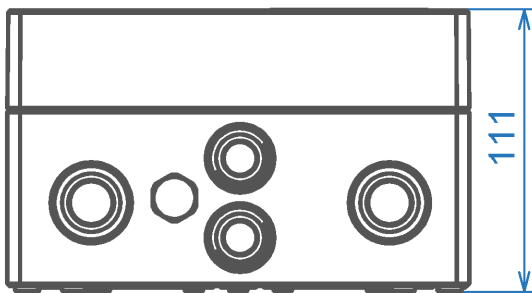
DEHNCube Typ DCU 2 YPV 1100 1M 2S

GAK-S-1100-2R-X-Y-PC-1.0\_DEHNCube (900 913)

Art.No. 10017264

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]	32
Dimensioning value* $I_{SC\ MAX}$ ( $= \sum I_{SC\ STC} \times 1,25$ )	[ADC]	40
Number of isolated MPP inputs		1
Max. number of PV strings IN/OUT		2/1

### 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 <sup>2</sup> ]	2,5 - 6
Cu-solid	[mm <sup>2</sup> ]	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 <sup>2</sup> ]	2,5 - 6
Cu-solid	[mm <sup>2</sup> ]	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 <sup>2</sup> ]	16

### GENERAL DATA

Dimensions WxHxD (without cable glands)	[mm]	182 x 180 x 111
Weight, approx.	[kg]	
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

### MISCELLANEOUS

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.