

DATA SHEET

ITEM NO. 10017263

DEHNCube type DCU 2 YPV 1100 2M 2S

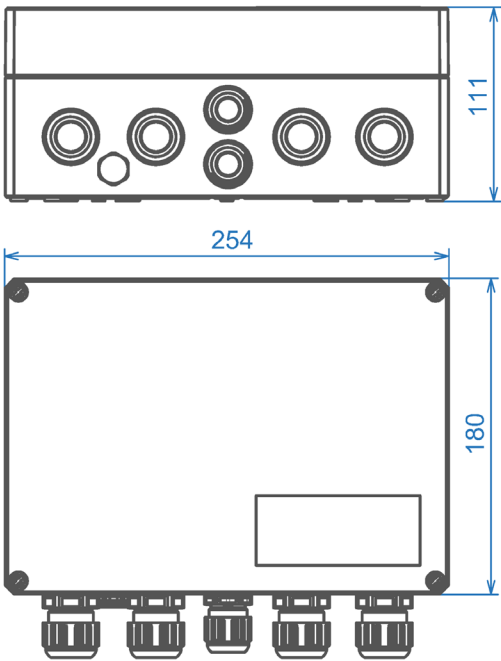
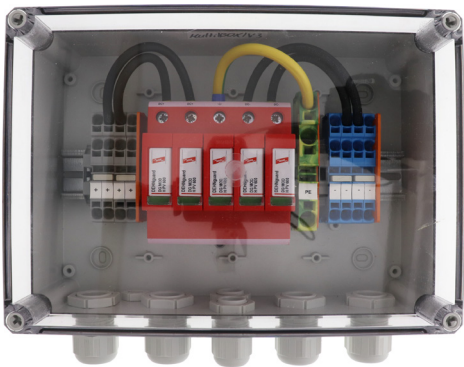
GAK-S-1100-2x2R-X-Y-PC-1.o_DEHNCube (900 923)

All values in [mm]
Dimensions "blue"
Fastening points "orange"

Internal arrangement and components may differ depending on the variant!

Minimum distances

above	200
below	200
lateral	100
front	800



SCOPE OF DELIVERY

Quantity	Designation
1	GAK
1	Installation instructions GAK-Standard
1	Wall mounting bracket set
2	M20 cable gland incl. lock nut

Quantity	Designation
4	M25 cable gland incl. locknut
4	Multiple seal M25
1	Pressure equalisation element incl. locknut

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

TECHNICAL DATA

NOMINAL VALUES	• applicable / - not applicable	
Rated insulation voltage U_i	[VDC]	1100
Rated operating voltage U_e	[VDC]	1100
Rated current $I_{nA} (\Sigma I_{SC STC})$	[ACD]	64
Design current $I_{SC MAX} (= \Sigma I_{SC STC} \times 1.25)$	[ACD]	80
Number of independent MPP inputs		2
Max. Number of PV strings IN/OUT		4/2
Parallel connected inputs/outputs		2/-

PRO STRANG		
Rated current $I_{nc} (= I_{SC STC})$	[ADC]	16
Design current $I_{SC MAX} (= I_{SC STC} \times 1.25)$	[ADC]	20

SURGE PROTECTION DEVICE		
Test class according to EN 61643-11 (type)		II
Highest permissible continuous voltage U_{cpv}	[VDC]	1100
For type 1: Lightning impulse current max. $I_{imp} 10/350$	[nA]	-

* the design current $I_{SC MAX}$ according to VDE 0100-712:2016-10 includes the factor 1.25 for $I_{SC STC}$ of the PV module or PV string.

Status: (b)

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TECHNICAL DATA

INPUT (TO THE PV GENERATOR)		• applicable / - not applicable
Cable entries		
Fittings (EN 62444)		2 x M25 + MFD (triple)
Connections		
Connection type		Spring clamp
Stripping length	[mm]	12
Tightening torque	[Nm]	-
Conductor cross-section (from - to)		
Fine copper wire with ferrule	[mm²]	-
Fine-stranded copper	[mm²]	2,5 - 6
Cu-stranded	[mm²]	2,5 - 6

OUTPUT (TO THE PV INVERTER)		
Cable entries		
Fittings (EN 62444)		2 x M25 + MFD (triple)
Connections		
Connection type		Spring clamp
Stripping length	[mm]	12
Tightening torque	[Nm]	10
Conductor cross-section (from - to)		
Fine copper wire with ferrule	[mm²]	-
Fine-stranded copper	[mm²]	2,5 - 6
Cu/Al [#] solid or stranded	[mm²]	2,5 - 6

[#] Observe the processing guidelines for aluminium ladders

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TECHNICAL DATA

EARTHING CONNECTION		• applicable / - not applicable
Cable entries		
Fittings (EN 62444)		M20
Connections		
Connection type		Spring clamp
Stripping length	[mm]	12
Tightening torque	[Nm]	4
Conductor cross-section (from - to)	[mm²]	16

GENERAL		
Dimensions WxHxD (without screw connections)	[mm]	254 x 180 x 111
Weight, approx.	[kg]	1,8
Operating temperature range	[°C]	-25...+35
Temperature - transport/storage (24 hours 70°C)	[°C]	-25...+35
Humidity - condensing permitted		•
Humidity - permissible range	[%]	5...95
max. installation height above N.N.	[m]	2000
Protection class IP (EN 60529)		65
Outdoor suitability (protected area)		•
Protection class (EN 61140)		II
Housing material		Polycarbonate
RoHS-compliant (2011/65/EU)		•
Housing colour		similar to RAL 7035
Lid		transparent
Mounting type		Wall mounting
Closure type		Screw cap

OTHER		
Customs tariff number		85372091

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TECHNICAL DATA

GENERAL	- applicable / - not applicable	
Dimensions WxHxD (without screw connections)	[mm]	1000 x 800 x 300
Weight, approx.	[kg]	46,5
Operating temperature range	[°C]	-25...+35
Temperature - transport/storage (24 hours 70°C)	[°C]	-25...+35
Humidity - condensing permitted		-
Humidity - permissible range	[%]	5...95
Degree of soiling		4
max. installation height above N.N.	[m]	2000
Protection class IP (EN 60529)		65
Outdoor suitability (protected area)		-
Protection class (EN 61140)		II
Housing material		Polyester
RoHS-compliant (2011/65/EU)		-
Housing colour		similar to RAL 7035
Lid		Hinged door
Mounting type		Wall mounting
Closure type		Double-bit closure

OTHER	
Customs tariff number	85372091

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