



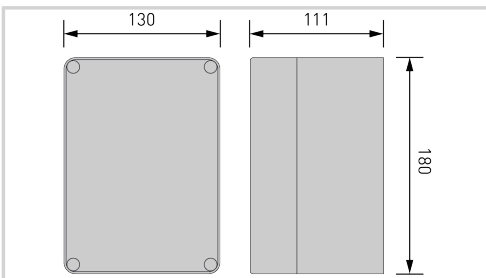
CITEL

PV-DC-Junction box

GAK1.K2x10.K1x10.DP40VG-1-XS



- › Generator junction box for 1 MPP tracker / 2 strings
- › Integrated surge protection (type 2+3 - DPVN40CVG-21Y-1200)
- › Protection class IP65
- › Connection via spring-loaded terminals



Electrical Characteristics		
SPD type	IEC	2+3
Network		PV network 1000 Vdc
Nominal DC voltage	Un-dc	1000 Vdc
Rated insulation voltage <i>U_i</i>	U _i	1000 Vdc
Rated current <i>I_{nA}</i>	I _{nA}	32 A
Rated string current	I _{nC}	16 A

Mechanical Characteristics	
Dimensions	See diagram
Input / per MPPT	Spring terminals / 2x 6-10 mm ²
Output / per MPPT	Spring terminal / 1x 6-10mm ²
Ground connection terminal	Screw terminal 6-35mm ²
Cable gland	2x M16 (Ø 4,5-10 mm) / 2x M20 (Ø 6-13 mm) / 1x M25 (Ø 9 - 17 mm)
Housing material	UV and ozone resistant, fiberglass reinforced polycarbonate with semi-transparent cover
Dimensions	WxHxD (mm): 130 x 180 x 111
Ambient temperatures	Indoor: -5°C to max. +40°C (+35°C 24h average) / Outdoor: -25°C to max. +40°C (+35°C 24h average)
Humidity	Indoor: max. 50% at +40°C, max. 90% at 20°C (non-condensing) / Outdoor: 95% for a short time at +25°C (non-condensing)
Protection rating	IP 65
Protection class	Class II
Impact resistance	IK 8
Pressure compensation element	Existing

Standards	
Standards compliance	DIN EN 50539-11 / DIN EN IEC 61439-2

Part number	
157107	

Jeweils pro MPP-Tracker

