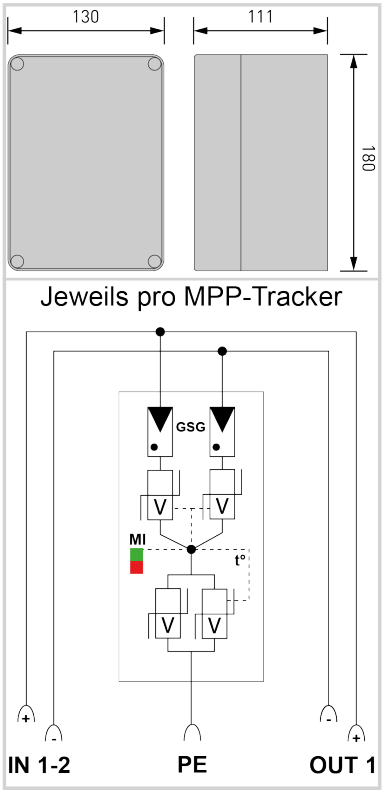
PV-DC-Junction box

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 *Ui*	Ui	1000 Vdc
Rated current *InA*	InA	32 A
Rated string current	InC	16 A
Mechanical Characteristics		
Protection rating		IP65
Dimensions		See diagram
Input / per MPPT		Spring terminals / 2x 6-10 mm²
Output / per MPPT		Spring terminal / 1x 6-10mm²
Ground connection terminal		Screw terminal 6-35mm²
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 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		