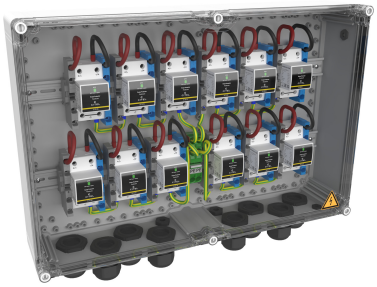
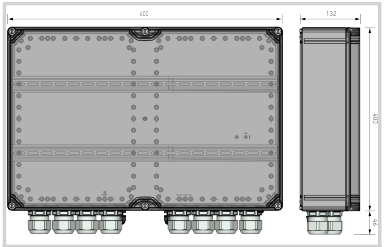
PV-DC-Junction box

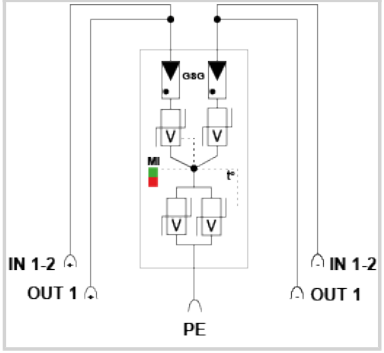
GAK12.K2x10.K1x10.DP40VG-1-XS



- Generator junction box for 12 MPP tracker / 2 strings
- Integrated surge protection device - DPVN40CVG-21Y-1200 (Type 2+3)
- Protection class IP65
- Connection via spring terminals (6-10mm²)

CE





Electrical Characteristics		
SPD type	IEC	2+3
Network		PV network 1000 Vdc
Nominal DC voltage	Un-dc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Rated insulation voltage *Ui*	Ui	1000 Vdc
Rated current *InA*	InA	40 A
Rated string current	InC	20 A
Mechanical Characteristics		
Protection rating		IP65
Input / per MPPT		Spring clamp terminals / 4x16mm²
Output / per MPPT		Spring terminals / 2x 6-16mm²
Ground connection terminal		Spring clamp terminals / 16mm²
Cable gland		8x M40* (Ø 16-28mm) / 2x M20 (Ø 6-13mm) / (* - with multiple sealing inserts, conductor outer diameter Ø, max. 6.9 mm)
Housing material		UV and ozone resistant, fiberglass reinforced polycarbonate
Dimensions		WxHxD (mm): 130 x 180 x 111
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)
Standards		
Standards compliance		DIN EN 50539-11
Part number		
157627		