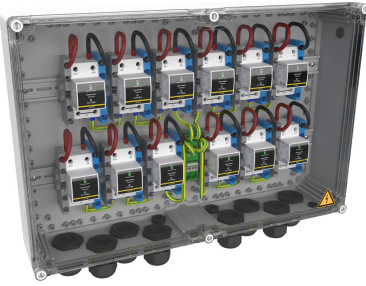




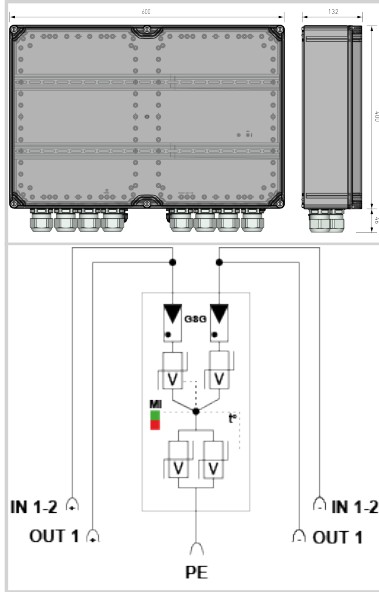
# CITEL

## 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 (6-10mm<sup>2</sup>)



#### 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 <i>Ui</i>	Ui	1000 Vdc
Rated current <i>InA</i>	InA	40 A
Rated string current	InC	20 A

#### Mechanical Characteristics

Protection rating		IP65
Input / per MPPT		Spring clamp terminals / 4x16mm <sup>2</sup>
Output / per MPPT		Spring terminals / 2x 6-16mm <sup>2</sup>
Ground connection terminal		Spring clamp terminals / 16mm <sup>2</sup>
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
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#### Part number

157627

