



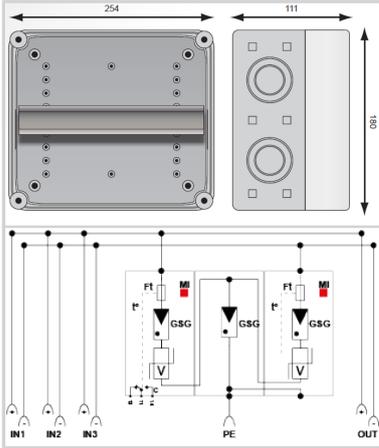
CITEL

PV-DC-Junction box

GAK1.K3x16.K1x16.51VG-12



- › Generator junction box for 1 MPP tracker / 3 strings
- › Integrated surge protection device - DS50VGPVS-1000G/12KT1 (Type 1+2)
- › Protection class IP65
- › Connection via spring terminals (6-16mm²)



Electrical Characteristics

SPD type	IEC	1+2
Network		PV network 1000 Vdc
Nominal DC voltage	Un-dc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Rated insulation voltage <i>U_i</i>	U _i	1000 Vdc
Rated current <i>I_{nA}</i>	I _{nA}	60 A
Rated string current	I _{nC}	40 A

Mechanical Characteristics

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)
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Standards

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

158111

