



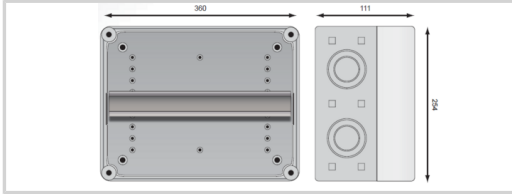
CITEL

PV-DC-Junction box

GAK2.K3x16.K1x16.51VG-12



Generator junction box for 2 MPP tracker / 3 strings Integrated surge protection device (2x DS50VGPVS-1000G/12KT1) Protection class IP65 Connection via spring terminals



| Electrical Characteristics | | |
|-------------------------------|-------|--|
| SPD type | | 1+2 |
| Network | | PV network 1000 Vdc |
| Nominal DC voltage | Un-dc | 1000 Vdc |
| Max. PV operating voltage | Ucpv | 1200 Vdc |
| Rated insulation voltage | Ui | 1000 Vdc |
| Rated current | InA | 2x 60 A |
| Rated string current | InC | 2x 40 A |
| Mechanical Characteristics | | |
| Weight | | 2.9 kg |
| Input / per MPPT | | Spring clamp terminals / 3x 6-16mm ² |
| Output / per MPPT | | Spring terminals / 1x 6-16mm ² |
| Ground connection terminal | | Spring clamp terminals / 16mm ² |
| Cable gland | | Metric / 30x M16 (Ø 5-7mm) |
| Housing material | | UV and ozone resistant, fiberglass reinforced polycarbonate with semi-transparent cover |
| Dimensions | | WxHxD (mm): 360 x 254 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 | | |
| 158213 | | |

