

GAK1.K4x16.K2x16.S.61VG-1



- ✦ Generator junction box for 1 MPP tracker / 4 strings
- ✦ Surge protection integrated (DS60VGPV-1000G/51)
- ✦ With string fuses (10x38 in +/- pole)
- ✦ Protection class IP65
- ✦ Connection via screw/spring terminals



| 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 | Ui | 1000 Vdc |
| Rated current | InA | 60 A |
| Rated string current | InC | 12 A |
| Mechanical Characteristics | | |
| Fuse holder | | Size 10x38, 4x in +/- pole |
| Input / per MPPT | | Spring clamp terminals / 4x 6mm ² |
| Output / per MPPT | | Spring terminals / 2x16mm ² |
| Ground connection terminal | | Spring clamp terminals / 16mm ² |
| Cable gland | | 4x M32 with multiple feed-through (16x Ø 5-7mm); 1x M20 (Ø 6-13mm) |
| Housing material | | UV and ozone resistant, fiberglass reinforced polycarbonate with semi-transparent cover |
| Dimensions | | WxHxD (mm): 400 x 300 x 132 |
| 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 | | |
| 158403 | | |