# *PV-DC-Junction box*

## GAK6.K4x16.K4x16.51VG-1

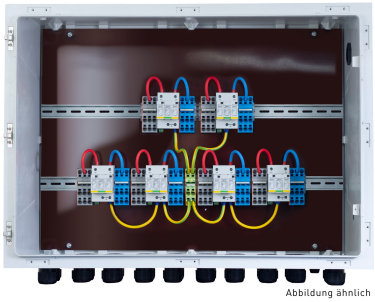


Abbildung ähnlich

- Generator junction box for 1 MPP tracker / 4 strings
- Integrated surge protection device
- Protection class IP65
- Connection via spring terminals

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|---|---|---|
| **Electrical Characteristics** | | |
| SPD type | IEC | 2 |
| Network | | PV network 1000 Vdc |
| Nominal DC voltage | Un-dc | 1000 Vdc |
| Max. PV operating voltage | Ucpv | 1200 Vdc |
| Rated insulation voltage<br>*Ui* | Ui | 1000 Vdc |
| Rated current<br>*InA* | InA | 6x 60 A |
| Rated string current | InC | 6x 40 A |
| **Mechanical Characteristics** | | |
| Protection rating | | IP65 |
| Input / per MPPT | | Spring clamp terminals / 4x 6-16mm² |
| Output / per MPPT | | Spring terminals / 4x 6-16mm² |
| Ground connection terminal | | Spring clamp terminals / 16mm² |
| Cable gland | | Metric / 12x M40 (Ø 16-28mm) / 1x M20 (Ø 6-13mm) |
| Housing material | | UV and ozone resistant, fiberglass reinforced polycarbonate |
| Dimensions | | WxHxD (mm): 847 x 615 x 330 |
| 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 class | | Class II |
| Impact resistance | | IK 8 |
| Pressure compensation element | | Existing |
| **Standards** | | |
| Standards compliance | | DIN EN 50539-11 |
| **Part number** | | |
| **158607** | | |