

## Generators combiner boxes

### ■ GAK 410-MC4 Junction box PV GAK+ 50 PVS-1000-4ST-4MPP

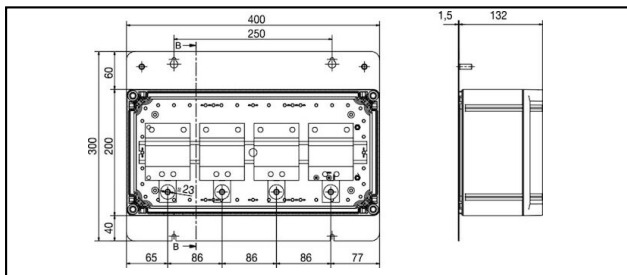


#### Characteristics

Generator boxes with preassembled surge protection and grounding plate:

#### Legend

- a) type 1+2 GAK + 60 VGPVS-1000-4ST-4MPP
- b) type 1+2 GAK + 50 PVS-1000-4ST-4MPP
- c) type 1+2 GAK + 50 VGPVS-1000-4ST-4MPP
- d) type 2 GAK + 50 PV-1000-4ST-4MPP



| Article-Nr. | E-Number    | Typ/Type | V<br>U <sub>C</sub> | kA<br>I <sub>imp</sub> | kA<br>I <sub>max</sub> | mm <sup>2</sup> | kV<br>U <sub>P</sub> | ns<br>t <sub>A</sub> |    |   |
|-------------|-------------|----------|---------------------|------------------------|------------------------|-----------------|----------------------|----------------------|----|---|
| 296.050.854 | 969 112 174 | T1 / T2  | ≤1200VDC            | 6.25                   | 40                     | 2.5 - 25        | 2.6                  | ≤25                  | b) | 1 |

## Technical Specifications: Junction box PV GAK+ 50 PVS-1000-4ST-4MPP GAK 410-MC4

|   |                                      |
|---|--------------------------------------|
| Article No.   | 296.050.854                          |
| SPD type  | T1 / T2                              |
| Number of poles   | 2                                    |
| max. discharge current (I <sub>max</sub> )                  | 40 kA                                |
| Nominal line voltage U <sub>n</sub> DC                      | 1000 V                               |
| Impulse current [I <sub>imp</sub> ]_(10/350)                | 6.25 kA                              |
| Nominal discharge surge current (8/20)                      | 15 kA                                |
| Voltage protection level [U <sub>p</sub> ]                  | 2.6 kV                               |
| Operation voltage max. [U <sub>c</sub> ]                    | ≤1200VDC                             |
| Follow current [I <sub>F</sub> ]                            | 0 kA                                 |
| Response time [t <sub>a</sub> ]                             | ≤25                                  |
| Short circuit resistance (I <sub>cw</sub> )                 | 1 kA                                 |
| Fault indication  | mechanisch, Rot                      |
| Total discharge current (8/20) (L N-PE)                     | 60 kA                                |
| Temperature range   | -40 - 85                             |
| Signaling on the device                                     | Optic                                |
| Signaling contact   | Yes                                  |
| Connection cross section solid / stranded max.              | 1.5 mm <sup>2</sup>                  |
| Switching capacity signaling contact                        | 250 V/0,5 A (AC) / - 30 V / 2 A (DC) |
| Energetically coordinated protective effect to the terminal | Yes                                  |
| System configuration DC                                     | Yes                                  |
| Construction size   | 3 modular spacing                    |
| Nominal discharge current [I <sub>n</sub> ]                 | 15/Pol                               |
| Nominal cross section conductor                             | 2.5 - 25 mm <sup>2</sup>             |
| Integrated backup fuse                                      | No                                   |
| Exhausting  | No                                   |
| Mounting method   | DIN rail (top hat rail) 35 mm        |
| Degree of protection (IP)                                   | IP20                                 |
| <b>Casing</b>   |                                      |
| degree of protection  | IP65                                 |
| number of modules   | 20                                   |
| contract rail   | DIN-Schiene                          |
| String / MPP  | 4ST-4MPP                             |
| inputs PG / MC4   | MC 4                                 |
| outputs PG / MC4  | MC 4                                 |
| Ground base plate   | Yes                                  |
| <b>Standards</b>  |                                      |
| Test standards USA  | UL 1449 ed.3                         |
| Test standards Europe                                       | EN 50539-11                          |
| Test standards France                                       | UTE C61-740-51                       |
| comment   | b)                                   |
| <b>Commercial specification</b>                             |                                      |
| Customs number  | 85372000                             |
| country of origin   | CH                                   |
| <b>Texte</b>  |                                      |
| comment   | b)                                   |