

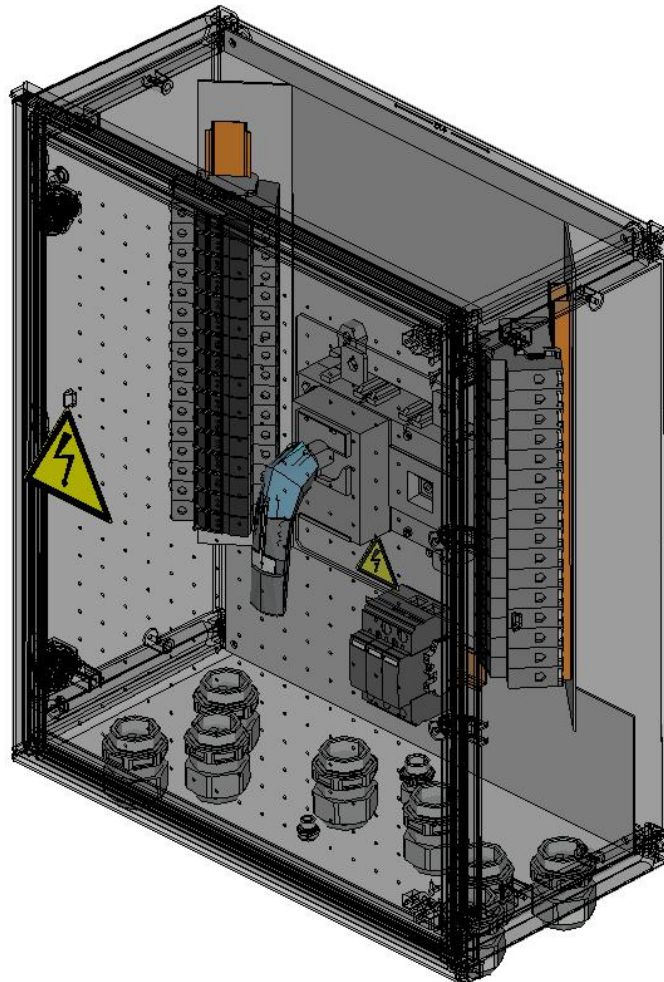
## TECHNICAL DATASHEET

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### Combiner for SHP75 Inverter

**SOL-SC1-16ST-0-F-T2-SD-21**

Item number: 1053596

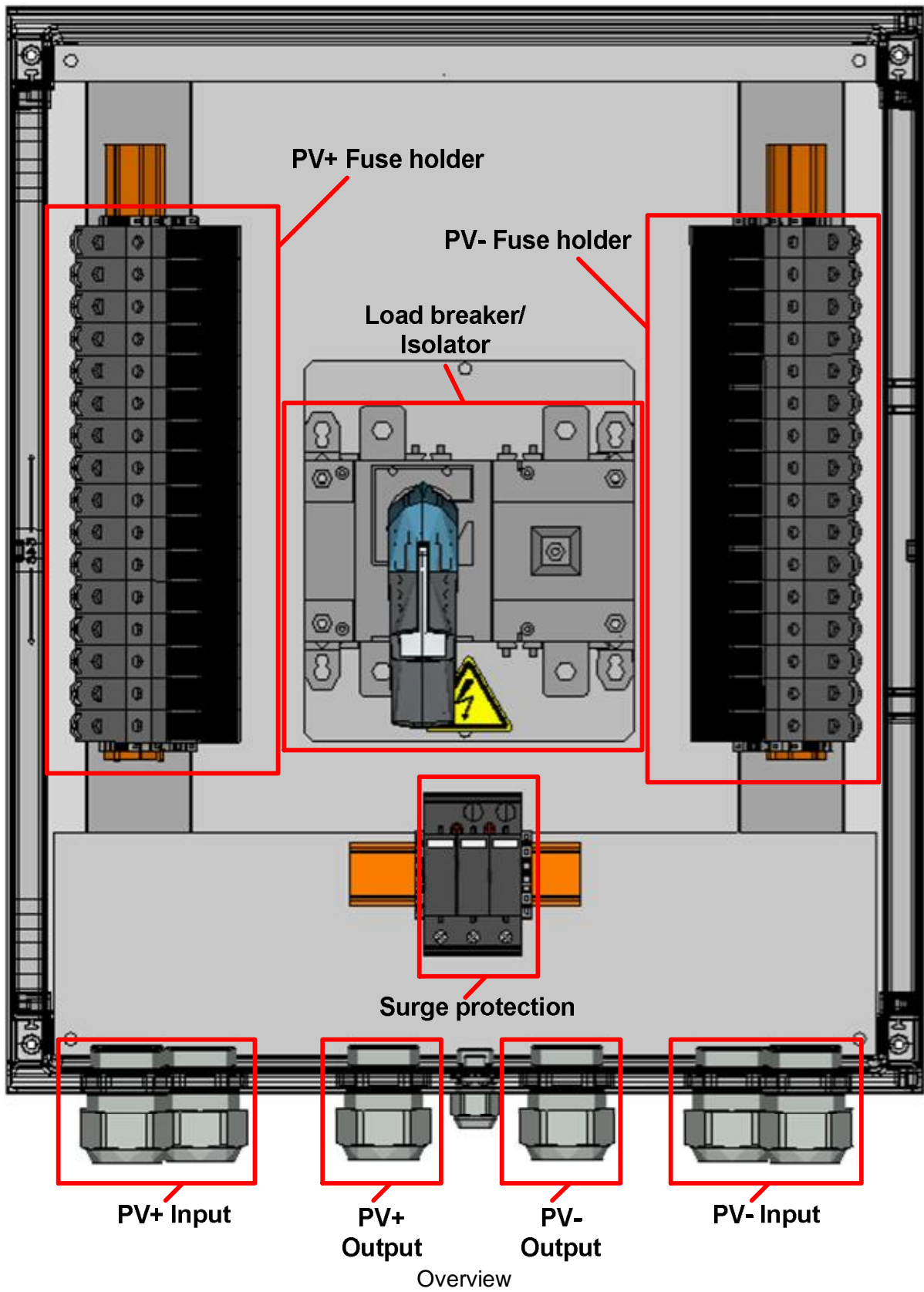


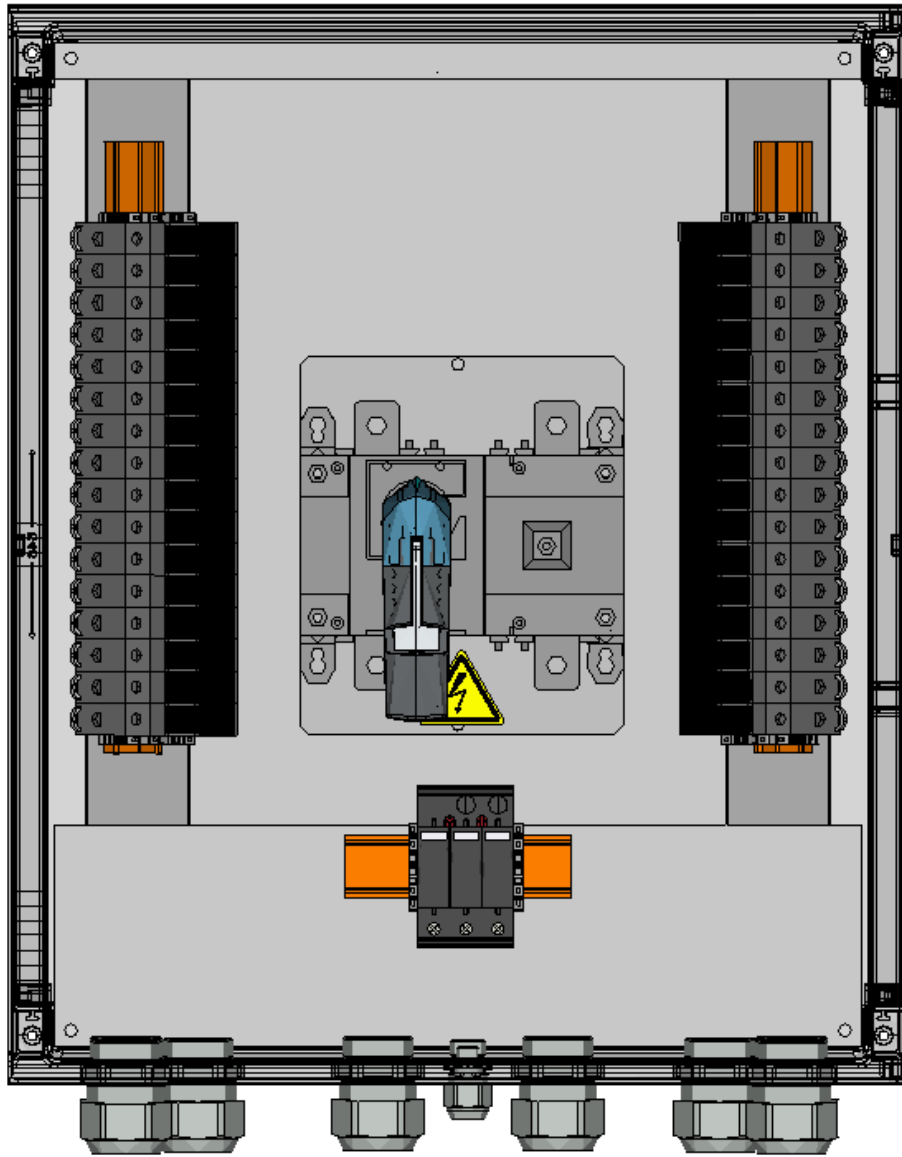
## General technical data

Type definition: **SOL-SC1-16ST-0-F-T2-SD-21**

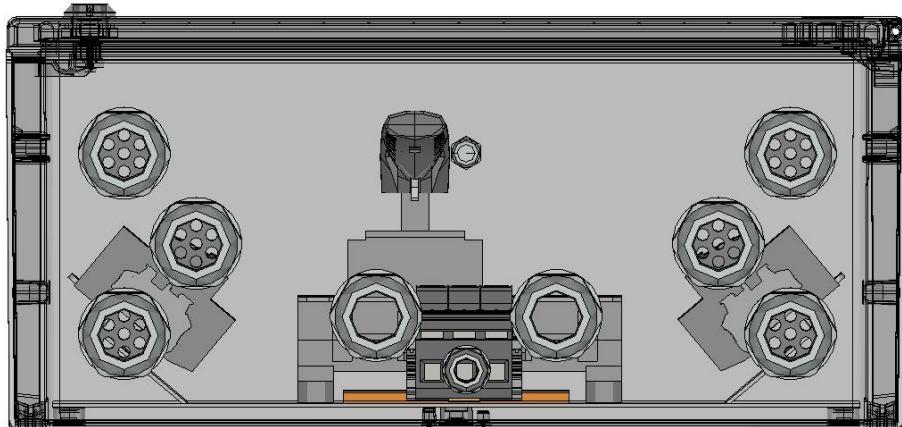
- Rated voltage  $U_E = 1000V$  DC
- Max. continuous operating voltage  $U_{max} = 1100V$  DC (Only short-time condition, without output load towards inverter)
- Nominal current per string  $I_{nc} = 9A$  DC
- Max. current per string  $I_{nc(max)} = 12,5A$  DC (With limited temperature range)
- Protection degree IP65
- Ambient temperature range  $-20^{\circ}C \dots +60^{\circ}C$  (Derating above  $+45^{\circ}C$ )
- Enclosure material Glass fibre reinforced polyester
- Dimensions (WxHxD in mm) 500x600x230
- Supplementary equipment 1x Pressure compensation element
- Surge protection 1x SPD type 2  
(2800628 VAL-MS 1000DC-PV/2+V)
- Cable gland Earth SPD: 1x M20
- Clamping range Earth SPD: 6...13mm
- DC Input strings
  - o Number of strings: 16
  - o Monitoring: No monitoring
  - o String protection: 32 fuse holders (+ and - side of strings protected)
  - o Fuse holder connection: Screw terminal fuse holder
  - o Fuses: 32 fuses 15A gPV 10,3x38 preassembled
  - o String entry for "+" side: 3x cable gland M40 with multiple hole inserts
  - o String entry for "-" side: 3x cable gland M40 with multiple hole inserts
  - o Clamping range: 5...7mm
  - o Max. cross section:  $4mm^2 \dots 6mm^2$  (stranded conductor with ferrule)
- DC output
  - o Cable glands: 2x M40 for + and - conductor
  - o Clamping range: 16...28mm
  - o Load breaker/Isolator: 1x Socomec 26PV.2025 with internal handle
  - o Rated current: 250A
  - o Connection: Direct connection on DC isolator with cable lugs
  - o Max. cross section:  $185mm^2$

Layout/Drawings





Front view



Bottom view

