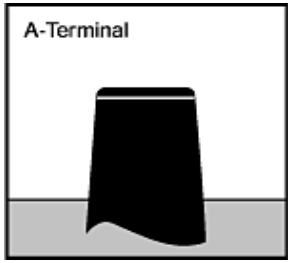


# Sonnenschein – A512/40 A data sheet

## Terminal



## Specifications:

Part numbers not valid for North America, use type for ordering!

| GNB type designation | Nom. Voltage V | Nom. capacity C <sub>20</sub> 1.75Vpc 20°C Ah | Length (l) max. mm | Width (b/w) max. mm | Height top of cover (h1) max. mm | Height over terminals (h2) max. mm | Weight approx. kg | Internal resistance mOhm | Short circuit current A | Max. Load approx. A | Max. perm current 5 secs. A | Terminal   |
|----------------------|----------------|---|--------------------|---------------------|----------------------------------|------------------------------------|-------------------|--------------------------|-------------------------|---------------------|-----------------------------|------------|
| A512/40 A            | 12             | 40.0  | 210                | 175                 | 175                              | 175                                | 14.5              | 11.6                     | 1069                    | 400                 | 1500                        | A-Terminal |

## Constant-current discharge in A @ 20 °C

| Part number     | Vpc  | 5 min | 10 min | 15 min | 20 min | 30 min | 1 h  | 2 h  | 3 h  | 5 h  | 8 h  | 10 h |
|-----------------|------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| NGA5120040HSOCA | 1.85 | 75.0  | 63.0   | 50.0   | 42.0   | 34.0   | 22.0 | 12.0 | 8.80 | 6.40 | 4.30 | 3.50 |
| NGA5120040HSOCA | 1.80 | 86.0  | 69.0   | 57.0   | 47.0   | 36.0   | 23.0 | 13.0 | 9.20 | 6.70 | 4.40 | 3.60 |
| NGA5120040HSOCA | 1.75 | 103   | 74.0   | 61.0   | 50.0   | 37.0   | 24.0 | 13.0 | 9.40 | 6.80 | 4.50 | 3.70 |
| NGA5120040HSOCA | 1.70 | 115   | 79.0   | 64.0   | 52.0   | 38.0   | 24.0 | 13.0 | 9.50 | 6.80 | 4.50 | 3.70 |
| NGA5120040HSOCA | 1.65 | 121   | 82.0   | 66.0   | 53.0   | 39.0   | 24.0 | 13.0 | 9.50 | 6.80 | 4.50 | 3.70 |
| NGA5120040HSOCA | 1.60 | 127   | 85.0   | 67.0   | 54.0   | 39.0   | 24.0 | 13.0 | 9.50 | 6.80 | 4.50 | 3.70 |

## Constant-power discharge in W/block @ 20 °C

| Part number     | Vpc  | 3 min | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 1.5 h |
|-----------------|------|-------|-------|--------|--------|--------|--------|--------|-----|-------|
| NGA5120040HSOCA | 1.85 | 958   | 848   | 703    | 578    | 490    | 395    | 300    | 243 | 178   |
| NGA5120040HSOCA | 1.80 | 1092  | 1007  | 758    | 646    | 538    | 415    | 318    | 255 | 186   |
| NGA5120040HSOCA | 1.75 | 1226  | 1074  | 822    | 691    | 569    | 432    | 326    | 261 | 189   |
| NGA5120040HSOCA | 1.70 | 1391  | 1157  | 870    | 719    | 587    | 441    | 331    | 264 | 191   |
| NGA5120040HSOCA | 1.65 | 1514  | 1235  | 902    | 729    | 597    | 446    | 333    | 265 | 192   |
| NGA5120040HSOCA | 1.60 | 1577  | 1299  | 923    | 735    | 603    | 449    | 334    | 266 | 192   |

## Sonnenschein A512/40 A drawing

