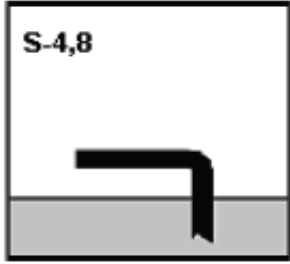


Sonnenschein – A512/10 S data sheet

Terminal



Specifications:

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

| GNB type designation | Nom. Voltage V | Nom. capacity C ₂₀ 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 |
|----------------------|----------------|---|--------------------|---------------------|----------------------------------|------------------------------------|-------------------|--------------------------|-------------------------|---------------------|-----------------------------|----------|
| A512/10 S | 12 | 10.0 | 152 | 98.0 | 94.5 | 98.4 | 4.00 | 66 | 189 | 80 | 300 | S-4.8 |

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 |
|-----------------|------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| NGA5120010HSOSA | 1.85 | 30.0 | 22.0 | 18.0 | 15.0 | 11.2 | 6.40 | 3.90 | 2.80 | 1.80 | 1.18 | 0.96 |
| NGA5120010HSOSA | 1.80 | 33.0 | 24.0 | 19.0 | 16.0 | 11.9 | 6.80 | 4.10 | 2.90 | 1.90 | 1.23 | 1.00 |
| NGA5120010HSOSA | 1.75 | 35.0 | 26.0 | 20.0 | 17.0 | 12.3 | 6.90 | 4.20 | 3.00 | 1.90 | 1.25 | 1.02 |
| NGA5120010HSOSA | 1.70 | 37.0 | 27.0 | 20.0 | 17.0 | 12.6 | 7.00 | 4.20 | 3.00 | 1.90 | 1.25 | 1.02 |
| NGA5120010HSOSA | 1.65 | 39.0 | 28.0 | 21.0 | 17.0 | 12.7 | 7.10 | 4.30 | 3.00 | 1.90 | 1.25 | 1.02 |
| NGA5120010HSOSA | 1.60 | 42.0 | 29.0 | 21.0 | 17.0 | 12.8 | 7.10 | 4.30 | 3.00 | 1.90 | 1.25 | 1.02 |

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 |
|-----------------|------|-------|-------|--------|--------|--------|--------|--------|------|-------|
| NGA5120010HSOSA | 1.85 | 335 | 298 | 248 | 195 | 160 | 120 | 98.0 | 78.0 | 56.0 |
| NGA5120010HSOSA | 1.80 | 336 | 318 | 261 | 209 | 172 | 128 | 101 | 81.0 | 59.0 |
| NGA5120010HSOSA | 1.75 | 361 | 346 | 270 | 219 | 179 | 132 | 103 | 83.0 | 60.0 |
| NGA5120010HSOSA | 1.70 | 385 | 360 | 278 | 226 | 185 | 135 | 103 | 84.0 | 60.0 |
| NGA5120010HSOSA | 1.65 | 410 | 371 | 283 | 229 | 187 | 136 | 104 | 84.0 | 61.0 |
| NGA5120010HSOSA | 1.60 | 437 | 381 | 287 | 231 | 188 | 136 | 104 | 85.0 | 61.0 |

Sonnenschein A512/10 S drawing

