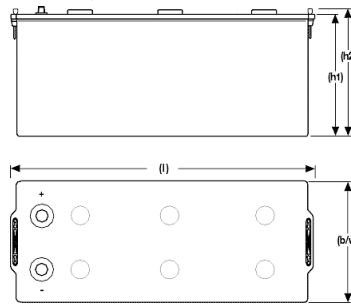


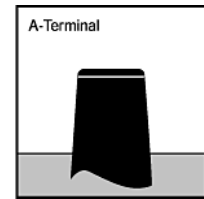
Sonnenschein A512/200 A data sheet



Drawing:



Terminal:



Meets: UL94 HB

Specifications:

| Type | Part number | Nom. Voltage | C20 1,75 VpC 20° C IEC896/2 Ah | Short circuit current acc. | Length mm | Width mm | Height mm | Height top of cover mm | Height over terminals mm | Weight Kg. | Internal resistance acc. IEC896/2 mOhm | Max. Load approx. A | Max. perm current 5 secs. A | Terminal |
|------------|-----------------|--------------|--------------------------------|----------------------------|-----------|----------|-----------|------------------------|--------------------------|------------|--|---------------------|-----------------------------|------------|
| A512/200 A | NGA5120200HS0CA | 12 | 200 | 3605 | 518 | 274 | 216 | 216 | 238 | 70 | 3.5 | 770 | 2600 | A-Terminal |

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

Constant-current discharge in A (@20°C):

| Part number | Type | Volt | 5min | 10min | 15min | 20min | 30min | 1h | 2h | 3h | 5h | 8h | 10h |
|-----------------|-----------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| NGA5120200HS0CA | A512/200A | 1.85 | 329.0 | 274.0 | 226.0 | 196.0 | 160.0 | 104.0 | 65.1 | 46.6 | 31.0 | 20.4 | 16.7 |
| NGA5120200HS0CA | A512/200A | 1.80 | 381.0 | 313.0 | 258.0 | 222.0 | 176.0 | 110.0 | 68.1 | 48.5 | 32.0 | 21.1 | 17.3 |
| NGA5120200HS0CA | A512/200A | 1.75 | 437.0 | 349.0 | 282.0 | 237.0 | 183.0 | 115.0 | 70.0 | 49.7 | 32.3 | 21.5 | 17.7 |
| NGA5120200HS0CA | A512/200A | 1.70 | 486.0 | 380.0 | 300.0 | 251.0 | 191.0 | 117.0 | 71.4 | 50.6 | 32.8 | 21.8 | 17.7 |
| NGA5120200HS0CA | A512/200A | 1.65 | 531.0 | 395.0 | 313.0 | 262.0 | 198.0 | 120.0 | 72.1 | 51.0 | 32.8 | 21.8 | 17.7 |
| NGA5120200HS0CA | A512/200A | 1.60 | 581.0 | 411.0 | 323.0 | 269.0 | 202.0 | 121.0 | 72.4 | 51.1 | 32.8 | 21.8 | 17.7 |

Constant-power discharge in W/block (@20°C):

| Part number | Type | Volt | 3min | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 1_5h |
|-----------------|-----------|------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| NGA5120200HS0CA | A512/200A | 1.85 | 4,690.0 | 4,102.0 | 3,449.0 | 2,843.0 | 2,375.0 | 1,800.0 | 1,408.0 | 1,135.0 | 875.0 |
| NGA5120200HS0CA | A512/200A | 1.80 | 5,268.0 | 4,695.0 | 3,815.0 | 3,040.0 | 2,580.0 | 1,928.0 | 1,449.0 | 1,191.0 | 912.0 |
| NGA5120200HS0CA | A512/200A | 1.75 | 5,932.0 | 5,092.0 | 3,941.0 | 3,201.0 | 2,700.0 | 2,002.0 | 1,484.0 | 1,223.0 | 933.0 |
| NGA5120200HS0CA | A512/200A | 1.70 | 6,350.0 | 5,446.0 | 4,034.0 | 3,302.0 | 2,774.0 | 2,048.0 | 1,512.0 | 1,245.0 | 948.0 |
| NGA5120200HS0CA | A512/200A | 1.65 | 6,786.0 | 5,736.0 | 4,142.0 | 3,369.0 | 2,825.0 | 2,081.0 | 1,533.0 | 1,264.0 | 959.0 |
| NGA5120200HS0CA | A512/200A | 1.60 | 7,189.0 | 5,957.0 | 4,218.0 | 3,413.0 | 2,860.0 | 2,104.0 | 1,548.0 | 1,279.0 | 969.0 |