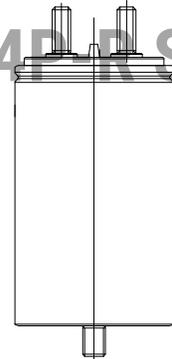


C44E Series NOT FOR NEW DESIGN.
For new design, please use C44H and C44P Series



TECHNICAL DATA

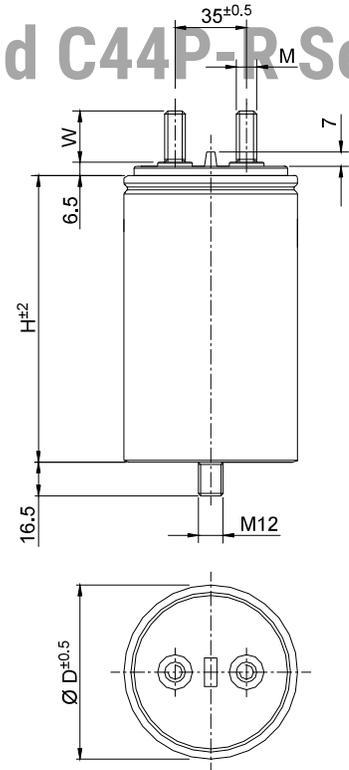
| | |
|---|--|
| General technical data | VDE 0560 - IEC61071 - EN61071 |
| Application class (DIN 40040) | HSD / LS |
| Temperature range (Case) | -40 to + 70 °C |
| Max permissible ambient temperature | +70 °C |
| Capacitance tolerance code (15 th digit) | J = ± 5% ; K = ± 10% |
| Test voltage terminal to case U _{TT} | 1,5 U _{RMS} for 10 seconds |
| Test voltage terminal to case U _{TC} | 4kV - 50Hz for 60 seconds |
| Rated insulation voltage U _i | 700 V - 50 Hz - Insulation group B (VDE 0110 part 1) |
| Rated power Q | Reactive power at rated A.C. voltage U _{RMS} - 50Hz |
| Rated frequency F | 50 ÷ 60 Hz |
| Permissible relative humidity | Annual average ≤ 95% on 30 days / year, continuously 100% on other days occasionally 100%. Dewing not admissible |
| IEC climatic category | 25 / 70 / 21 |
| Degree of protection | IP00 |
| Capacitance deviation in the operating temperature range of -40 to +85 °C | ±1.5% max on capacitance value measured at +20 °C |
| Change of capacitance versus operating time | -3% after 30.000 hours at U _{RMS} or after 100.000 hours at Un |
| Terminals | Tinned brass fastons or screws (See figure on top) |
| Installation | Whatever Position |
| Life Expectancy | ≥ 30.000 hours at U _{RMS} ; ≥ 100.000 hours at Un |
| Failure quota | 300 / 10 ⁹ components hour |

C44E Series NOT FOR NEW DESIGN.

MECHANICAL CHARACTERISTICS

| Case | | Brass screw terminals | | | Bolt | |
|------|----|-----------------------|-------------------|-------------------|------------------|-------------------|
| D | W | M | Driving Torque Nm | Creepage Distance | Clearance In air | Driving Torque Nm |
| 76 | 13 | M 6 | 4 | 18 | 22 | 10 |
| 76 | 25 | M 10 | 7 | 18 | 22 | 10 |
| 85 | 25 | M 10 | 7 | 22 | 22 | 10 |

For new design, please use C44H and C44P-R Series



PEAK VOLTAGE TABLE

| Un Vdc | U _{PK} Vdc | U _{RMS} Vac |
|-----------|------------------------|-------------------------|
| 400 | 600 | 250 |
| 600 | 800 | 380 |
| 750 | 1000 | 440 |
| 1200 | 1600 | 550 |

GENERAL CHARACTERISTICS

| Code | C μ F | Q kvar | Un Vdc | U _{RMS} Vac | dv/dt V/ μ s | I _{PKR} A | I _{RMS} A | Case Dimensions | | Appr. Weight kg |
|-----------------|--------------|-----------|-----------|-------------------------|---------------------|-----------------------|-----------------------|-----------------|-----|--------------------|
| | | | | | | | | D | H | |
| C44EFGP6150ZA0J | 150 | 2.95 | 400 | 250 | 10 | 1500 | 30 | 76 | 138 | 0.63 |
| C44EFGR6200ZA0J | 200 | 3.93 | 400 | 250 | 10 | 2000 | 30 | 85 | 137 | 0.75 |
| C44EFGR6250ZA0J | 250 | 4.9 | 400 | 250 | 10 | 2500 | 60 | 85 | 185 | 1.05 |
| C44EFGR6300ZA0J | 300 | 5.89 | 400 | 250 | 10 | 3000 | 60 | 85 | 230 | 1.35 |
| C44EFGR6400ZA0J | 400 | 7.85 | 400 | 250 | 10 | 4000 | 60 | 85 | 270 | 1.71 |
| C44EHGP6100ZA0J | 100 | 4.53 | 600 | 380 | 20 | 2000 | 30 | 76 | 138 | 0.63 |
| C44EHGR6150ZA0J | 150 | 6.8 | 600 | 380 | 20 | 3000 | 60 | 85 | 200 | 1.15 |
| C44EHGR6200ZA0J | 200 | 9.07 | 600 | 380 | 20 | 4000 | 60 | 85 | 260 | 1.5 |
| C44EKGR6100ZA0J | 100 | 6.08 | 750 | 440 | 20 | 2000 | 60 | 85 | 185 | 1.05 |
| C44EKGR6120ZA0J | 120 | 7.3 | 750 | 440 | 20 | 2400 | 60 | 85 | 200 | 1.15 |
| C44EPGR5500ZA0J | 50 | 4.75 | 1200 | 550 | 30 | 1500 | 60 | 85 | 260 | 1.5 |
| C44EPGR5600ZA0J | 60 | 5.7 | 1200 | 550 | 30 | 1800 | 60 | 85 | 260 | 1.5 |