

CME-AS

Polypropylene Capacitors for Power Electronics



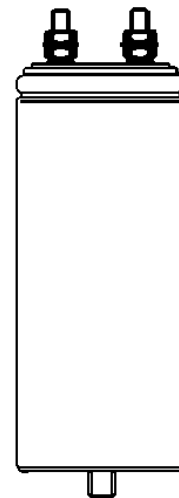
The **CME-AS** capacitors are particularly suitable for use in **static circuits** and in all applications where components are required to withstand high current and peak current values as well as **high voltage peaks**.

PERFORMANCE DATA

- Capacitance tolerance -5% / +5%.
- Rated voltage AC 250 / 300 / 400 / 500 / 550 V
- Rated voltage DC 400 / 480 / 750 / 900 V
- Application class HPFLS
- Safety device Overpressure disconnecter
- Expected life > 30.000 hours

TECHNICAL DATA

| | |
|--------------------------------|---------------------------------------------------------------------------------------------------------|
| Dielectric | Self-healing metallised polypropylene (MKP). |
| Case | Aluminum. |
| Execution | Resin. Dry type. |
| Fixing and installation | Threaded bolt for ground fixing. Installation in any position. |
| Degree of protection | IP 00. |
| Test voltage | 2,15 Un / 3 seconds between terminal and terminal. 2500 Vac / 3 seconds between terminal and ground. |
| Terminal tightening torque | M6 – 5 Nm M10 – 10 Nm |
| Bolts tightening torque | M8 – 8 Nm M12 – 12 Nm |
| Failure rate | 3% |
| Capacity variation during life | -5% after 30.000 hours at Urms |
| Thermal category | 25/85/21. |
| Temperature range | -25...+85°C. |



QUALITY AND APPROVALS

Reference standards IEC 1071, VDE 560-12

CONFIGURATION

Table

250 Vac - 400 Vdc - 550 Upkr

| Type | Capacitan ce μF | I _r A | I _{rms} A | I _{pkr} A(r) | dV/dt V/ms(r) | D | H mm | Bolt | Screw | Faston |
|-------------|-----------------------|------------------|--------------------|--------------------------|------------------|----|---------|------|-------|--------|
| CME 10-250 | 10 | 0,79 | 5 | 700 | 70 | 45 | 66 | M8 | M6 | FD 6.3 |
| CME 15-250 | 15 | 1,18 | 5 | 705 | 47 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 20-250 | 20 | 1,57 | 6 | 820 | 41 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 22-250 | 22 | 1,73 | 7 | 770 | 35 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 25-250 | 25 | 1,96 | 8 | 875 | 35 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 30-250 | 30 | 2,36 | 9 | 750 | 25 | 50 | 103 | M8 | M6 | FD 6.3 |
| CME 33-250 | 33 | 2,59 | 10 | 825 | 25 | 50 | 103 | M8 | M6 | FD 6.3 |
| CME 40-250 | 40 | 3,14 | 11 | 1.000 | 25 | 50 | 103 | M8 | M6 | FD 6.3 |
| CME 50-250 | 50 | 3,93 | 12 | 1.100 | 22 | 50 | 103 | M8 | M6 | FD 6.3 |
| CME 60-250 | 60 | 4,71 | 13 | 1.320 | 22 | 60 | 135 | M12 | M6 | - |
| CME 66-250 | 66 | 5,18 | 14 | 1.450 | 22 | 55 | 103 | M12 | M6 | - |
| CME 70-250 | 70 | 5,50 | 15 | 1.540 | 22 | 60 | 103 | M12 | M6 | - |
| CME 80-250 | 80 | 6,28 | 17 | 2.000 | 25 | 60 | 135 | M12 | M6 | - |
| CME 90-250 | 90 | 7,07 | 20 | 2.250 | 25 | 60 | 135 | M12 | M6 | - |
| CME 100-250 | 100 | 7,85 | 20 | 2.500 | 25 | 60 | 135 | M12 | M6 | - |
| CME 133-250 | 133 | 10,45 | 25 | 3.325 | 25 | 70 | 135 | M12 | M6 | - |
| CME 150-250 | 150 | 11,78 | 30 | 3.750 | 25 | 70 | 135 | M12 | M6 | - |
| CME 166-250 | 166 | 13,04 | 35 | 4.150 | 25 | 75 | 135 | M12 | M6 | - |
| CME 200-250 | 200 | 15,71 | 35 | 4.400 | 22 | 75 | 165 | M12 | M10 | - |
| CME 250-250 | 250 | 19,63 | 40 | 4.000 | 16 | 75 | 185 | M12 | M10 | - |
| CME 300-250 | 300 | 23,56 | 60 | 3.000 | 10 | 85 | 255 | M12 | M10 | - |
| CME 330-250 | 330 | 25,91 | 60 | 3.000 | 10 | 85 | 255 | M12 | M10 | - |
| CME 400-250 | 400 | 31,41 | 60 | 3.000 | 10 | 85 | 285 | M12 | M10 | - |

300 Vac - 480 Vdc - 660 Upkr

| Type | Capacitan ce μF | I _r A | I _{rms} A | I _{pkr} A(r) | dV/dt V/ms(r) | D | H mm | Bolt | Screw | Faston |
|-------------|-----------------------|------------------|--------------------|--------------------------|------------------|----|---------|------|-------|--------|
| CME 10-300 | 10 | 0,94 | 5 | 650 | 65 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 15-300 | 15 | 1,41 | 5 | 675 | 45 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 20-300 | 20 | 1,88 | 6 | 800 | 40 | 45 | 103 | M8 | M6 | FD 6.3 |
| CME 22-300 | 22 | 2,07 | 7 | 880 | 40 | 45 | 103 | M8 | M6 | FD 6.3 |
| CME 25-300 | 25 | 2,36 | 8 | 1.000 | 40 | 45 | 103 | M8 | M6 | FD 6.3 |
| CME 30-300 | 30 | 2,83 | 10 | 1.050 | 35 | 45 | 103 | M8 | M6 | FD 6.3 |
| CME 33-300 | 33 | 3,11 | 12 | 1.155 | 35 | 50 | 103 | M8 | M6 | FD 6.3 |
| CME 40-300 | 40 | 3,77 | 12 | 1.400 | 35 | 50 | 103 | M12 | M6 | FD 6.3 |
| CME 50-300 | 50 | 4,71 | 15 | 1.750 | 35 | 55 | 135 | M12 | M6 | - |
| CME 60-300 | 60 | 5,65 | 15 | 1.800 | 30 | 55 | 135 | M12 | M6 | - |
| CME 66-300 | 66 | 6,22 | 17 | 1.980 | 30 | 55 | 135 | M12 | M6 | - |
| CME 70-300 | 70 | 6,60 | 20 | 1.960 | 28 | 60 | 135 | M12 | M6 | - |
| CME 80-300 | 80 | 7,54 | 20 | 2.240 | 28 | 60 | 135 | M12 | M6 | - |
| CME 90-300 | 90 | 8,48 | 22 | 2.250 | 25 | 65 | 135 | M12 | M6 | - |
| CME 100-300 | 100 | 9,42 | 22 | 2.500 | 25 | 70 | 135 | M12 | M6 | - |
| CME 133-300 | 133 | 12,53 | 25 | 3.325 | 25 | 85 | 135 | M12 | M6 | - |
| CME 150-300 | 150 | 14,14 | 30 | 2.700 | 18 | 70 | 200 | M12 | M6 | - |
| CME 166-300 | 166 | 15,64 | 35 | 2.988 | 18 | 70 | 185 | M12 | M6 | - |
| CME 200-300 | 200 | 18,85 | 35 | 3.200 | 16 | 75 | 200 | M12 | M10 | - |
| CME 250-300 | 250 | 23,56 | 40 | 4.000 | 16 | 85 | 200 | M12 | M10 | - |
| CME 300-300 | 300 | 28,27 | 45 | 4.500 | 15 | 85 | 300 | M12 | M10 | - |

440 Vac - 750 Vdc - 950 Upkr

| Type | Cn μF | I _r A | I _{rms} A | I _{pkr} A(r) | dV/dt V/ms(r) | D | H mm | Bolt | Screw | Faston |
|-------------|----------|------------------|--------------------|--------------------------|------------------|----|---------|------|-------|--------|
| CME 5-440 | 5 | 0,69 | 5 | 350 | 70 | 45 | 66 | M8 | M6 | FD 6.3 |
| CME 6.6-440 | 6,6 | 0,91 | 6 | 396 | 60 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 7.5-440 | 7,5 | 1,04 | 7 | 450 | 60 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 10-440 | 10 | 1,38 | 8 | 370 | 37 | 45 | 105 | M8 | M6 | FD 6.3 |
| CME 15-440 | 15 | 2,07 | 10 | 555 | 37 | 50 | 105 | M8 | M6 | FD 6.3 |
| CME 20-440 | 20 | 2,76 | 12 | 720 | 37 | 55 | 105 | M12 | M6 | FD 6.3 |
| CME 22-440 | 22 | 3,04 | 15 | 880 | 40 | 55 | 105 | M12 | M6 | - |
| CME 25-440 | 25 | 3,46 | 18 | 1.000 | 40 | 60 | 105 | M12 | M6 | - |
| CME 30-440 | 30 | 4,15 | 20 | 1.200 | 40 | 65 | 135 | M12 | M6 | - |
| CME 33-440 | 33 | 4,56 | 20 | 1.320 | 40 | 60 | 135 | M12 | M6 | - |
| CME 40-440 | 40 | 5,53 | 22 | 1.600 | 40 | 65 | 103 | M12 | M6 | - |
| CME 50-440 | 50 | 6,91 | 22 | 2.000 | 40 | 70 | 135 | M12 | M6 | - |
| CME 60-440 | 60 | 8,29 | 25 | 2.100 | 35 | 75 | 135 | M12 | M6 | - |
| CME 66-440 | 66 | 9,12 | 25 | 2.310 | 35 | 85 | 135 | M12 | M6 | - |
| CME 75-440 | 75 | 10,37 | 30 | 1.875 | 25 | 70 | 185 | M12 | M6 | - |
| CME 80-440 | 80 | 11,06 | 30 | 2.000 | 25 | 70 | 185 | M12 | M6 | - |
| CME 90-440 | 90 | 12,44 | 30 | 2.250 | 25 | 75 | 185 | M12 | M6 | - |
| CME 100-440 | 100 | 13,82 | 30 | 2.500 | 25 | 85 | 185 | M12 | M6 | - |
| CME 133-440 | 133 | 18,38 | 35 | 2.527 | 19 | 85 | 235 | M12 | M10 | - |
| CME 150-440 | 150 | 20,73 | 35 | 2.850 | 19 | 85 | 235 | M12 | M10 | - |
| CME 166-440 | 166 | 22,95 | 35 | 3.154 | 19 | 85 | 235 | M12 | M10 | - |

500 Vac - 900 Vdc - 1100 Upkr

| Type | Cn μF | I _r A | I _{rms} A | I _{pkr} A(r) | dV/dt V/ms(r) | D | H mm | Bolt | Screw | Faston |
|-------------|----------|------------------|--------------------|--------------------------|------------------|----|---------|------|-------|--------|
| CME 3.3-500 | 3,3 | 0,52 | 5 | 313 | 95 | 45 | 66 | M8 | M6 | FD 6.3 |
| CME 4-500 | 4 | 0,63 | 6 | 380 | 95 | 45 | 66 | M8 | M6 | FD 6.3 |
| CME 5-500 | 5 | 0,79 | 7 | 350 | 70 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 6.6-500 | 6,6 | 1,04 | 8 | 462 | 70 | 45 | 78 | M8 | M6 | FD 6.3 |
| CME 7.5-500 | 7,5 | 1,18 | 9 | 525 | 70 | 45 | 105 | M8 | M6 | FD 6.3 |
| CME 10-500 | 10 | 1,57 | 10 | 450 | 45 | 45 | 105 | M8 | M6 | FD 6.3 |
| CME 15-500 | 15 | 2,36 | 12 | 675 | 45 | 55 | 105 | M8 | M6 | FD 6.3 |
| CME 20-500 | 20 | 3,14 | 15 | 900 | 45 | 65 | 105 | M12 | M6 | - |
| CME 22-500 | 22 | 3,46 | 17 | 990 | 45 | 65 | 105 | M12 | M6 | - |
| CME 25-500 | 25 | 3,93 | 20 | 1.125 | 45 | 60 | 135 | M12 | M6 | - |
| CME 30-500 | 30 | 4,71 | 22 | 1.350 | 45 | 65 | 135 | M12 | M6 | - |
| CME 33-500 | 33 | 5,18 | 22 | 1.485 | 45 | 65 | 135 | M12 | M6 | - |
| CME 35-500 | 35 | 5,50 | 25 | 1.575 | 45 | 70 | 135 | M12 | M6 | - |
| CME 40-500 | 40 | 6,28 | 25 | 1.600 | 40 | 75 | 135 | M12 | M6 | - |
| CME 50-500 | 50 | 7,85 | 25 | 2.000 | 40 | 85 | 135 | M12 | M6 | - |
| CME 60-500 | 60 | 9,42 | 30 | 1.800 | 30 | 75 | 185 | M12 | M6 | - |
| CME 66-500 | 66 | 10,37 | 30 | 1.960 | 30 | 85 | 185 | M12 | M6 | - |
| CME 75-500 | 75 | 11,78 | 30 | 2.250 | 30 | 85 | 185 | M12 | M10 | - |
| CME 80-500 | 80 | 12,57 | 35 | 2.400 | 30 | 85 | 185 | M12 | M10 | - |
| CME 100-500 | 100 | 15,71 | 35 | 2.500 | 25 | 75 | 235 | M12 | M10 | - |
| CME 133-500 | 133 | 20,89 | 35 | 3.325 | 25 | 85 | 235 | M12 | M10 | - |
| CME 150-500 | 150 | 23,56 | 35 | 3.750 | 25 | 85 | 290 | M12 | M10 | - |