



Power Capacitors	B25667B4277A375
Power Factor Correction PhaseCap	MKK440-D-16.7-01/MKK480-D-20-01

Maximum ratings	
U_{max} (up to 8 h daily)	530 VAC
U_{max} (up to 1 min)	620 VAC
I_{max}	$1.3 \times I_R$ (A)
I_S	$200 \times I_R$ (A)

Test data	
U_{TT}	1,050 VAC / 50 Hz during 10 s
U_{TC}	3,000 VAC / 50 Hz during 10 s
$\tan\delta$ (50 Hz)	≤ 0.6 W / kvar

Climatic category / -40/D	
T_{min} (-)	40 °C
T_{max} (+)	55 °C
Humidity	av. rel. < 95%
Maximum altitude	4,000 m

Mean life expectancy	
t_{LD}	Up to 115,000 hours
Max. 5000 switchings per year acc. to IEC 60831	

Design data	
Dimensions ($\varnothing \times l$)	121 x 200 mm
Weight approx	1.8 kg
Impregnation	Dry, inert gas
Fixing	Threaded bolt M12
Max. torque (Al can stud)	10 Nm
Mounting position	Any mounting position possible. See "Maintenance and Installation Manual" for further details.

Label design

EPCOS
PhaseCap™
MKK480-D-20-01

SIEMENS
Power Quality
4RB5 200-5 AB 47

B25667B4277A375
 $C_N = 3 \times 92 \mu F + 10/-5\% \Delta SH$
 $U_N / V \quad Q_N / 50 \text{ Hz} \quad Q_N / 60 \text{ Hz}$
 MKK480 20,0 kvar 24,0 kvar
 MKK440 16,7 kvar 20,0 kvar

$U_1 = 3/-kV -40/D$
 Overpressure disconnecter IEC 60831(96)
 AFC 10 kA -40...+55°C
 Internally protected
 CSA C22.2 No.1 90
 Made by EPCOS

Dry, inert gas

E 10/05

**Terminals**

Degree of protection	Isolated terminals, IP20
Max. torque	1.2 Nm
Terminal cross section	16 mm ² (5 AWG)
Maximum terminal current	50 A
Creepage distance	12.7 mm
Clearance	9.6 mm

Safety

Mechanical safety	Overpressure disconnecter
Max. short circuit current	(AFC: 10 kA)
Discharge resistor time	≤ 1 min (75 V)

Reference Standards

IEC 60831-1/2, UL 810-5th edition

Certification: cUL file E238746

△ Please read information about PFC capacitors and cautions as well as installation and maintenance instructions (Power Factor Correction Product Profile, actual version, and Installation and Maintenance Instructions for PFC-capacitors, available in the Internet) to ensure optimum performance and prevent products from failing, and in worst case, bursting and fire.
Information given in the PFC-product profile and values given in the data sheet reflect typical specifications. You are kindly requested to approve our product specifications or request our approval for your specification before ordering.

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