

MKP UHD™

280.*** 3PH OIL-FILLED

400 ... 580V 50Hz



Three-phase power capacitors, dry self-healing dielectric, oil-filled
 For ultra heavy duty filters and detuned or non-detuned PFC equipment in mains with extreme operating conditions

All items in this range are also rated for operation at 480V 60Hz

MKP UHD™ contain three delta-switched capacitor elements of short height and large diameter. The optimized combination of winding length, film size, and winding geometry minimizes inherent power losses and allows to achieve highest ratings of surge and rms currents as well as an overvoltage strength which before would have been known only of impregnated paper capacitors. By using selected low-loss, self-healing polypropylene films and sophisticated manufacturing techniques such as high-vacuum drying and special coating patterns, MKP UHD™ combine long service life with constant capacitance and outstanding switching stability.

U_N	$\Theta_{ambient}$	statistical life
400 ... 440 V	-50/70	>150,000 h
480 V	-50/65	>150,000 h
525 V	-50/60	>150,000 h
580 V	-50/D	>150,000 h

Permitted overvoltages

8h/d	640V	1min (200x)	755V
30min/d	670V	max. peak voltage	1740V ac
5min (200x)	695V		

For resistor modules see pages 48f

$Q_C 580V$ (kvar)	$Q_C 440V$ (kvar)	$Q_C 400V$ (kvar)	C_N (μF)	I_{max} (A)	\hat{I}_{max} (kA)	$D_1 \times H$ (mm)	weight (kg)	CAPA GRIP	part no.	packg.lot / box
21.5	12.5	10	3 × 68	3 × 41	3 × 6.6	95 × 280	2.3	L	280.169-306801	3 / FB10
26	15	12.5	3 × 82	3 × 49	3 × 8	100 × 280	2.5	M	280.379-308201	3 / FB10
34.6	20	16.6	3 × 110	3 × 65	3 × 10.5	116 × 280	2.9	M	280.389-311001	3 / FB10
43	25	20	3 × 137	3 × 82	3 × 13.1	136 × 280	3.9	M	280.399-313701	2 / FB10

Mind Mounting and Operating Instructions on pages 34ff!

