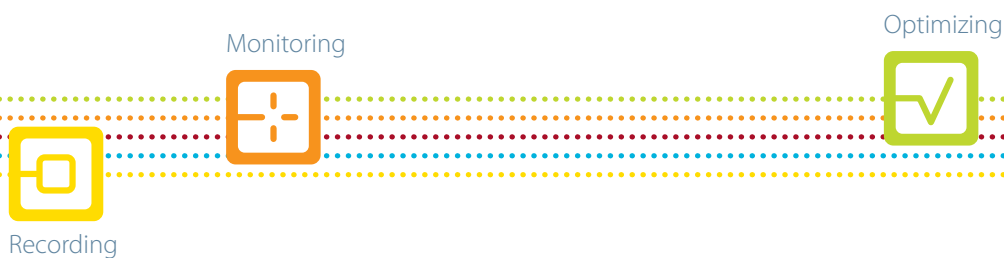


Power capacitors

multicond



multicond are one-phase and three-phase power capacitors for reactive current compensation, developed for networks with many harmonics. Apart from a long working life and high current and voltage load capacity, safety in case of overload (all-pole overpressuredisconnector) is a crucial advantage of the compact components, constructed in dry technology. Other features: good thermal conduction, low build-up of heat as well as reliable performance at high ambient temperatures.

Rated voltage U_n **280, 440, 480,
525 or 690 V**

Rated frequency f **50/60 Hz**



Illustration similar

Power capacitor for reactive current compensation

- Highlights**
- Power from 1.5 to 37 kvar
 - Capacitor rated voltage of 280, 440, 480, 525 or 690 V
 - High level of safety through dry technology and 3-phase internal overpressure disconnecter
 - Including compact discharge resistor
 - Long working life

The **Construction diagram** can be found on page 8.

multicond-UHPC power capacitors stand out through their combined safety concept of a self-restoring effect and 3-phase internal overpressure disconnecter. In low voltage networks, inadmissibly high voltage peaks up to 3 times the rated voltage can occur through switching procedures. If these loads lead to flashovers in the dielectric, self-restoring takes effect. The capacitor remains fully functional as this happens. The 3-phase internal overpressure disconnecter starts to work if the gas amount

released by the many self-restoring procedures causes a specific internal pressure. The lid of the aluminum casing bends slightly and the fuse disconnects the capacitor from the network.

Note: Depending on the network voltage and when used in detuned systems, a correspondingly higher capacitor rated voltage must be selected.

Capacitor rated voltage: **280 V – 3-phase**

FREQUENCY	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE	RATED CAPACITANCE	CAN SIZE in mm	TYPE
	230 V	280V	400V	415V	440V	480V	525V	600V	690V				
Hz	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	A	µF	d x H (H=h+t)	multicond- ...
50	5.0	7.4	–	–	–	–	–	–	–	15.3	3 x 100.1	116 x 255	premium UHPC-7.4-280-3P
60	6.0	8.9	–	–	–	–	–	–	–	18.4		95 x 255	basic UHPC-7.4-280-3P
50	7.5	11.1	–	–	–	–	–	–	–	22.9	3 x 150.2	136 x 255	premium UHPC-11.1-280-3P
60	9.0	13.3	–	–	–	–	–	–	–	27.5		116 x 255	basic UHPC-11.1-280-3P
50	10.0	14.8	–	–	–	–	–	–	–	30.5	3 x 200.3	136 x 255	premium UHPC-14.8-280-3P
60	12.0	17.8	–	–	–	–	–	–	–	36.6		136 x 255	basic HPC-14.8-280-3P

Capacitor rated voltage: **440 V – 3-phase**

FREQUENCY	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE	RATED CAPACITANCE	CAN SIZE in mm	TYPE
	230 V	280V	400V	415V	440V	480V	525V	600V	690V				
Hz	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	A	µF	d x H (H=h+t)	multicond- ...
50	–	–	1.5	1.6	1.8	–	–	–	–	2.4	3 x 9.9	70 x 215	premium UHPC-1.8-440-3P
60	–	–	1.8	1.9	2.2	–	–	–	–	2.9		–	–
50	–	–	2.0	2.1	2.4	–	–	–	–	3.1	3 x 13.2	70 x 215	premium UHPC-2.4-440-3P
60	–	–	2.4	2.6	2.9	–	–	–	–	3.8		–	–
50	–	–	2.5	2.7	3.0	–	–	–	–	3.9	3 x 16.4	70 x 215	premium UHPC-3.0-440-3P
60	–	–	3.0	3.2	3.6	–	–	–	–	4.7		–	–
50	–	–	4.1	4.4	5.0	–	–	–	–	6.6	3 x 27.4	70 x 215	premium UHPC-5.0-440-3P
60	–	–	5.0	5.3	6.0	–	–	–	–	7.9		–	–
50	–	–	5.0	5.4	6.1	–	–	–	–	8.0	3 x 33.4	70 x 215	premium UHPC-6.1-440-3P
60	–	–	6.0	6.5	7.3	–	–	–	–	9.6		–	–
50	–	–	6.2	6.7	7.5	–	–	–	–	9.8	3 x 41.1	85 x 215	premium UHPC-7.5-440-3P
60	–	–	7.4	8.0	9.0	–	–	–	–	11.8		–	–
50	–	–	7.5	8.1	9.1	–	–	–	–	11.9	3 x 49.9	85 x 215	premium UHPC-9.1-440-3P
60	–	–	9.0	9.7	10.9	–	–	–	–	14.3		–	–
50	–	–	8.3	8.9	10.0	–	–	–	–	13.1	3 x 54.8	85 x 215	premium UHPC-10.0-440-3P
60	–	–	9.9	10.7	12.0	–	–	–	–	15.7		–	–
50	–	–	9.3	10.0	11.2	–	–	–	–	14.7	3 x 61.4	95 x 255	premium UHPC-11,2-440-3P
60	–	–	11.1	12.0	13.4	–	–	–	–	17.6		95 x 255	basic UHPC-11,2-440-3P
50	–	–	10.0	10.8	12.1	–	–	–	–	15.9	3 x 66.3	95 x 255	premium UHPC-12.1-440-3P
60	–	–	12.0	12.9	14.5	–	–	–	–	19.1		95 x 255	basic UHPC-12.1-440-3P

Table continued on next page.

EDEPRO0146-3112-1_LEN

and: Capacitor rated voltage: 440 V – 3-phase

FREQUENCY Hz	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE A	RATED CAPACI- TANCE µF	CAN SIZE in mm d x H (H=h+t)	TYPE multicond- ...
	230 V kvar	280V kvar	400V kvar	415V kvar	440V kvar	480V kvar	525V kvar	600V kvar	690V kvar				
50	-	-	11.7	12.5	14.1	-	-	-	-	18.5	3 x 77.3	95 x 255	premium UHPC-14.1-440-3P
60	-	-	14.0	15.1	16.9	-	-	-	-	22.2		95 x 255	basic UHPC-14.1-440-3P
50	-	-	12.5	13.4	15.1	-	-	-	-	19.8	3 x 82.8	95 x 255	premium UHPC-15.1-440-3P
60	-	-	15.0	16.1	18.1	-	-	-	-	23.8		95 x 255	basic HPC-15.1-440-3P
50	-	-	14.1	15.2	17.1	-	-	-	-	22.4	3 x 93.7	116 x 255	premium UHPC-17.1-440-3P
60	-	-	17.0	18.3	20.5	-	-	-	-	26.9		95 x 255	basic HPC-17.1-440-3P
50	-	-	15.0	16.2	18.2	-	-	-	-	23.9	3 x 99.7	116 x 255	premium UHPC-18.2-440-3P
60	-	-	18.0	19.4	21.8	-	-	-	-	28.7		95 x 255	basic HPC-18.2-440-3P
50	-	-	16.5	17.8	20.0	-	-	-	-	26.2	3 x 109.6	116 x 255	premium UHPC-20.0-440-3P
60	-	-	19.8	21.3	24.0	-	-	-	-	31.4		116 x 255	basic HPC-20.0-440-3P
50	-	-	17.5	18.9	21.2	-	-	-	-	27.8	3 x 116.2	116 x 255	premium UHPC-21.2-440-3P
60	-	-	21.0	22.6	25.4	-	-	-	-	33.4		116 x 255	basic HPC-21.2-440-3P
50	-	-	20.0	21.5	24.2	-	-	-	-	31.8	3 x 132.6	116 x 255	premium UHPC-24.2-440-3P
60	-	-	24.0	25.8	29.0	-	-	-	-	38.2		116 x 255	basic HPC-24.2-440-3P
50	-	-	22.5	24.2	27.2	-	-	-	-	35.7	3 x 149.1	136 x 255	premium UHPC-27.2-440-3P
60	-	-	27.0	29.0	32.6	-	-	-	-	42.8		116 x 255	basic HPC-27.2-440-3P
50	-	-	23.2	25.0	28.1	-	-	-	-	36.9	3 x 154.0	136 x 255	premium UHPC-28.1-440-3P
60	-	-	27.9	30.0	33.7	-	-	-	-	44.3		116 x 255	basic HPC-28.1-440-3P
50	-	-	25.0	27.0	30.3	-	-	-	-	39.8	3 x 166.1	136 x 255	premium UHPC-30.3-440-3P
60	-	-	30.1	32.4	36.4	-	-	-	-	47.8		116 x 255	basic HPC-30.3-440-3P
50	-	-	30.0	32.3	36.3	-	-	-	-	47.6	3 x 198.9	136 x 255	premium UHPC-36.3-440-3P
60	-	-	36.0	38.7	43.6	-	-	-	-	57.1		136 x 255	basic HPC-36.3-440-3P

Up to a power of 30.3 kvar, 440V capacitors are also available in single-phase version.

Capacitor rated voltage: **480 V – 3-phase**

FREQUENCY Hz	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE A	RATED CAPACI- TANCE µF	CAN SIZE in mm d x H (H=h+t)	TYPE multicond- ...
	230 V kvar	280V kvar	400V kvar	415V kvar	440V kvar	480V kvar	525V kvar	600V kvar	690V kvar				
50	-	-	2.5	2.7	3.0	3.6	-	-	-	4.3	3 x 16.6	70 x 215	premium UHPC-3.6-480-3P
60	-	-	3.0	3.2	3.6	4.3	-	-	-	5.2		-	-
50	-	-	4.2	4.5	5.0	6.0	-	-	-	7.2	3 x 27.6	70 x 215	premium UHPC-6.0-480-3P
60	-	-	5.0	5.4	6.0	7.2	-	-	-	8.7		-	-
50	-	-	4.9	5.3	6.0	7.1	-	-	-	8.5	3 x 32.7	85 x 215	premium UHPC-7.1-480-3P
60	-	-	5.9	6.4	7.2	8.5	-	-	-	10.2		-	-
50	-	-	6.2	6.7	7.6	9.0	-	-	-	10.8	3 x 41.4	85 x 215	premium UHPC-9.0-480-3P
60	-	-	7.5	8.1	9.1	10.8	-	-	-	13.0		-	-
50	-	-	7.5	8.1	9.1	10.8	-	-	-	13.0	3 x 49.7	95 x 255	premium-UHPC-10.8-480-3P
60	-	-	9.0	9.7	10.9	13.0	-	-	-	15.6		95 x 255	basic-UHPC-10.8-480-3P
50	-	-	9.3	8.9	10.0	11.9	-	-	-	14.3	3 x 54.8	95 x 255	premium-UHPC-11.9-480-3P
60	-	-	9.9	10.7	12.0	14.3	-	-	-	17.2		95 x 255	basic-UHPC-11.9-480-3P
50	-	-	8.7	9.3	10.5	12.5	-	-	-	15.0	3 x 57.6	95 x 255	premium-UHPC-12.5-480-3P
60	-	-	10.4	11.2	12.6	15.0	-	-	-	18.0		95 x 255	basic-UHPC-12.5-480-3P
50	-	-	9.9	10.7	12.0	14.3	-	-	-	17.2	3 x 65.9	95 x 255	premium-UHPC-14.3-480-3P
60	-	-	11.9	12.8	14.4	17.2	-	-	-	20.6		95 x 255	basic-UHPC-14.3-480-3P
50	-	-	11.6	12.5	14.0	16.7	-	-	-	20.1	3 x 76.9	116 x 255	premium-UHPC-16.7-480-3P
60	-	-	13.9	15.0	16.8	20.0	-	-	-	24.1		95 x 255	basic-UHPC-16.7-480-3P
50	-	-	12.4	13.4	15.0	17.9	-	-	-	21.5	3 x 82.4	116 x 255	premium-UHPC-17.9-480-3P
60	-	-	14.9	16.1	18.0	21.5	-	-	-	25.8		95 x 255	basic-UHPC-17.9-480-3P
50	-	-	16.5	17.8	20.0	23.8	-	-	-	28.6	3 x 109.6	116 x 255	premium-UHPC-23.8-480-3P
60	-	-	19.8	21.3	24.0	28.6	-	-	-	34.3		116 x 255	basic-UHPC-23.8-480-3P
50	-	-	17.4	18.7	21.0	25.0	-	-	-	30.1	3 x 115.1	116 x 255	premium-UHPC-25.0-480-3P
60	-	-	20.8	22.4	25.2	30.0	-	-	-	36.1		116 x 255	basic-UHPC-25.0-480-3P
50	-	-	20.7	22.3	25.0	29.8	-	-	-	35.8	3 x 137.2	136 x 255	premium-UHPC-29.8-480-3P
60	-	-	24.8	26.7	30.0	35.8	-	-	-	43.0		116 x 255	basic-UHPC-29.8-480-3P
50	-	-	23.2	25.0	28.1	33.4	-	-	-	40.2	3 x 153.8	136 x 255	premium-UHPC-33.4-480-3P
60	-	-	27.8	30.0	33.7	40.1	-	-	-	48.2		136 x 255	basic-UHPC-33.4-480-3P
50	-	-	24.8	26.7	30.0	35.7	-	-	-	42.9	3 x 164.4	136 x 255	premium-UHPC-35.7-480-3P
60	-	-	29.7	32.0	36.0	42.8	-	-	-	51.5		136 x 255	basic-UHPC-35.7-480-3P

Up to a power of 33.4 kvar, 480V capacitors are also available in single-phase version.

EDEPRO0146-3112-1_EN

Capacitor rated voltage: **525 V – 3-phase**

FREQUENCY Hz	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE A	RATED CAPACI- TANCE µF	CAN SIZE in mm d x H (H=h+t)	TYPE multicond- ...
	230 V kvar	280V kvar	400V kvar	415V kvar	440V kvar	480V kvar	525V kvar	600V kvar	690V kvar				
50	-	-	2.3	2.5	2.8	3.3	4.0	-	-	4.4	3 x 15.4	70 x 215	premium-UHPC-4.0-525-3P
60	-	-	2.8	3.0	3.4	4.0	4.8	-	-	5.3		-	-
50	-	-	2.5	2.7	3.0	3.6	4.3	-	-	4.7	3 x 16.4	70 x 215	premium-UHPC-4.3-525-3P
60	-	-	3.0	3.2	3.6	4.3	5.2	-	-	5.7		-	-
50	-	-	2.9	3.1	3.5	4.2	5.0	-	-	5.5	3 x 19.2	70 x 215	premium-UHPC-5.0-525-3P
60	-	-	3.5	3.7	4.2	5.0	6.0	-	-	6.6		-	-
50	-	-	3.5	3.7	4.2	5.0	6.0	-	-	6.6	3 x 23.1	70 x 215	premium-UHPC-6.0-525-3P
60	-	-	4.2	4.5	5.1	6.0	7.2	-	-	7.9		-	-
50	-	-	4.4	4.7	5.3	6.3	7.5	-	-	8.2	3 x 28.9	85 x 215	premium-UHPC-7.5-525-3P
60	-	-	5.2	5.6	6.3	7.5	9.0	-	-	9.9		-	-
50	-	-	4.6	5.0	5.6	6.7	8.0	-	-	8.8	3 x 30.8	85 x 215	premium-UHPC8.0-525-3P
60	-	-	5.6	6.0	6.7	8.0	9.6	-	-	10.6		-	-
50	-	-	5.0	5.4	6.0	7.2	8.6	-	-	9.5	3 x 33.1	85 x 215	premium-UHPC-8.6-525-3P
60	-	-	6.0	6.4	7.2	8.6	10.3	-	-	11.3		-	-
50	-	-	5.8	6.2	7.0	8.4	10.0	-	-	11.0	3 x 38.5	95 x 255	premium-UHPC-10.0-525-3P
60	-	-	7.0	7.5	8.4	10.0	12.8	-	-	13.2		95 x 255	basic-UHPC-10.0-525-3P
50	-	-	7.3	7.8	8.8	10.4	12.5	-	-	13.7	3 x 48.1	95 x 255	premium-UHPC-12.5-525-3P
60	-	-	8.7	9.4	10.5	12.5	15.0	-	-	16.4		95 x 255	basic-UHPC-12.5-525-3P
50	-	-	7.5	8.1	9.1	10.9	13.0	-	-	14.3	3 x 50.0	95 x 255	premium-UHPC-13.0-525-3P
60	-	-	9.0	9.7	10.9	13.0	15.6	-	-	17.2		95 x 255	basic-UHPC-13.0-525-3P
50	-	-	8.7	9.4	10.5	12.5	15.0	-	-	16.5	3 x 57.7	95 x 255	premium-UHPC-15.0-525-3P
60	-	-	10.4	11.2	12.6	15.0	18.0	-	-	19.8		95 x 255	basic-UHPC-15.0-525-3P
50	-	-	9.9	10.6	11.9	14.2	17.0	-	-	18.7	3 x 65.4	116 x 255	premium-UHPC-17.0-525-3P
60	-	-	11.8	12.7	14.3	17.0	20.4	-	-	22.4		95 x 255	basic-UHPC-17.0-525-3P
50	-	-	10.5	11.2	12.6	15.0	18.0	-	-	19.8	3 x 69.3	116 x 255	premium-UHPC-18.0-525-3P
60	-	-	12.5	13.5	15.2	18.0	21.6	-	-	23.8		95 x 255	basic-UHPC-18.0-525-3P
50	-	-	11.0	11.9	13.3	15.9	19.0	-	-	20.9	3 x 73.1	116 x 255	premium-UHPC-19.0-525-3P
60	-	-	13.2	14.2	16.0	19.0	22.8	-	-	25.1		95 x 255	basic-UHPC-19.0-525-3P
50	-	-	11.6	12.5	14.0	16.7	20.0	-	-	22.0	3 x 77.0	116 x 255	premium-UHPC-20.0-525-3P
60	-	-	13.9	15.0	16.9	20.1	24.0	-	-	26.4		116 x 255	basic-UHPC-20.0-525-3P
50	-	-	12.2	13.1	14.7	17.5	21.0	-	-	23.1	3 x 80.8	116 x 255	premium-UHPC-21.0-525-3P
60	-	-	14.6	15.7	17.7	21.1	25.2	-	-	27.7		116 x 255	basic-HPC-21.0-525-3P

Table continued on next page.

EDEPRO0146-3112-1_LEN

and: Capacitor rated voltage: 525 V – 3-phase

FREQUENCY	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE	RATED CAPACITANCE	CAN SIZE in mm	TYPE
	230 V	280V	400V	415V	440V	480V	525V	600V	690V				
Hz	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	A	µF	d x H (H=h+t)	multicond- ...
50	–	–	14.5	15.6	17.6	20.9	25.0	–	–	27.5	3 x 96.2	116 x 255	premium-UHPC-25.0-525-3P
60	–	–	17.4	18.7	21.1	25.1	30.0	–	–	33.0		116 x 255	basic-UHPC-25.0-525-3P
50	–	–	17.4	18.7	21.1	25.1	30.0	–	–	33.0	3 x 115.5	136 x 255	premium-UHPC-30.0-525-3P
60	–	–	20.9	22.5	25.3	30.1	36.0	–	–	39.6		116 x 255	basic-UHPC-30.0-525-3P
50	–	–	21.5	23.1	26.0	30.9	37.0	–	–	40.7	3 x 142.4	136 x 255	premium-UHPC-37.0-525-3P
60	–	–	25.8	27.7	31.2	37.1	44.4	–	–	48.8		136 x 255	basic-HPC-37.0-525-3P

Up to a power of 34.0 kvar, 525V capacitors are also available in single-phase version.

Capacitor rated voltage: 690 V – 3-phase star-connected

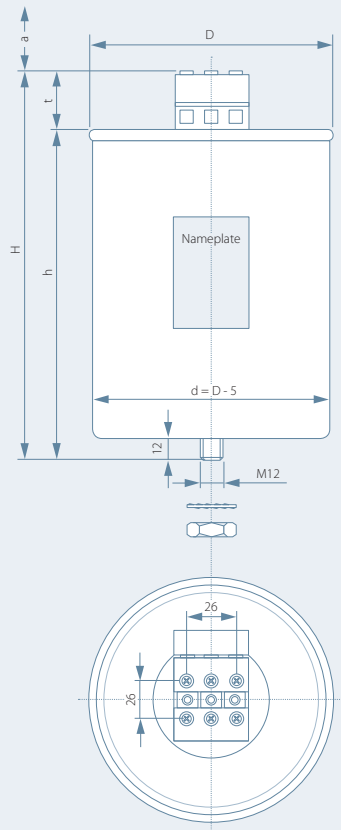
FREQUENCY	POWER ON NETWORK VOLTAGE									CURRENT ON MAX. VOLTAGE	RATED CAPACITANCE	CAN SIZE in mm	TYPE
	230 V	280V	400V	415V	440V	480V	525V	600V	690V				
Hz	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	kvar	A	µF	d x H (H=h+t)	multicond- ...
50	–	–	–	–	–	–	–	7.6	10.0	40.7	3 x 22.3	95 x 255	premium-UHPC-10.0-690-3S
60	–	–	–	–	–	–	–	9.1	12.0	48.8		95 x 255	basic-UHPC-10.0-690-3S
50	–	–	–	–	–	–	–	9.5	12.5	40.7	3 x 27.9	95 x 255	premium-UHPC-12.5-690-3S
60	–	–	–	–	–	–	–	11.3	15.0	48.8		95 x 255	basic-UHPC-12.5-690-3S
50	–	–	–	–	–	–	–	11.3	15.0	40.7	3 x 33.4	116 x 255	premium-UHPC-15.0-690-3S
60	–	–	–	–	–	–	–	13.6	18.0	48.8		95 x 255	basic-UHPC-15.0-690-3S
50	–	–	–	–	–	–	–	15.1	20.0	40.7	3 x 44.6	136 x 255	premium-UHPC-20.0-690-3S
60	–	–	–	–	–	–	–	18.1	24.0	48.8		116 x 255	basic-UHPC-20.0-690-3S
50	–	–	–	–	–	–	–	15.7	20.8	40.7	3 x 46.4	136 x 255	premium-UHPC-20.8-690-3S
60	–	–	–	–	–	–	–	18.9	25.0	48.8		116 x 255	basic-UHPC-20.8-690-3S
50	–	–	–	–	–	–	–	18.9	25.0	40.7	3 x 55.7	136 x 255	premium-UHPC-25.0-690-3S
60	–	–	–	–	–	–	–	22.7	30.0	48.8		116 x 255	basic-HPC-25.0-690-3S

690V capacitors are also available in single-phase version.

Performance data and sizes deviating from the standard are available on request. Subject to change.

Example for order: Power condenser, 30.3 kvar to 440 V.

The corresponding order detail is as follows: **Type multicond-UHPC-30.3-440-3P**



Construction diagram

Common:

- Adapter box safe from finger-touch
- Expansion (a) by 12 mm maximum
- Clearance above 13 mm minimum

Mounting:

- M12 threaded bolts
- Tightening torque $T = 10 \text{ Nm}$
- Serrated lock washer J12 DIN 6797
- Hexagonal nut BM12 DIN 439

Adapter box:

D 95 (16 mm²) / D 116 (16 mm²)

- M4 terminal screw
- Adapter box $t = 30 \text{ mm}$
- Tightening torque $T = 1.3 \text{ Nm}$

D 136 (25 mm²)

- M5 terminal screw
- Adapter box $t = 33 \text{ mm}$
- Tightening torque $T = 2.5 \text{ Nm}$

All dimensions in mm. Not suitable for taking measurements.

Technical details

Power capacitors for reactive current compensation

		multicond premium UHPC	multicond basic UHPC	multicond basic HPC
Rated voltage	Frequency	U _n = 280, 440, 480, 525 oder 690 V 50/60 Hz		
Maximum permissible operating voltage		1.0 x U _n continuous 1.1 x U _n 8 hours/day 1.15 x U _n 30 minutes/day 1.2 x U _n 200 x 5 minutes 1.3 x U _n 200 x 1 minute		
Maximum permissible operating current		1.5 x I _n at 0 – 15.9 kvar 2.0 x I _n at > 15.9 kvar		
Maximum inrush current		400 x I _n		
Capacitance tolerance		+/- 5 %		
Power dissipation		< 0.25 W/kvar, without discharge resistors		
Voltage test (terminal – terminal)		2.15 x U _{rated} (AC), 2 sec		
Voltage test (terminal – housing)		≤ 600 V : 3000 V (AC), 10 sec > 600 V : 6000 V (AC), 10 sec		
Working life	Temperature class -25/60 > 150000 h	max. ambient temperature: 60°C highest average over 24 h hours: 50°C highest average over 1 year: 40°C	Temperature class -25/D > 130000 h	Temperature class -25/C > 100000 h
	Temperature class -25/D > 250000 h	max. ambient temperature: 55°C highest average over 24 hours 45°C highest average over 1 year: 35°C	Temperature class - 25/C > 150000 h	Temperature class -25/B > 130000 h
		max. ambient temperature: 50°C highest average over 24 h hours: 45°C highest average over 1 year: 35°C	max. ambient temperature: 50°C highest average over 24 hours 40°C highest average over 1 year: 30°C	max. ambient temperature: 50°C highest average over 24 h hours: 40°C highest value over 1 year: 30°C
Cooling		Natural cooling		
Permissible humidity		95 %		
Maximum deployment altitude		4000 m above sea-level		
Installation site, installation position		Inside, anywhere		
Attachment		M12 threaded bolts on ground		
Safety features		→ Dry technology, resin-filled → Self-restoring → Overpressure disconnecter all-pole	→ Dry technology, resin-filled → Self-restoring → Overpressure disconnecter all-pole	→ Dry technology, gas-filled → Self-restoring → Overpressure disconnecter all-pole
Housing		Aluminum		
Degree of protection		IP 20		
Dielectric		Polypropylene		
Impregnation		High-purity gas, SF6-free, PCB-free		
Terminal strips		Double-sided terminal strip, safe from finger-touch		
Discharge		Discharge resistors on outside of strip		
Standards		IEC 60831-1 + 2, EN 60831-1 + 2, VDE 0560-46 + 47		

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