ENNERGY EXPERTS PRIVATE LIMITED

Ennergy Experts

We Shape Energy

PFC APACITOR



Power Quality Solutions

Power Factor Correction

KEY COMPONENTS FOR POWER FACTOR CORRECTION IN 50Hz MAINS

www.ennergyexperts.com

POWER CAPACITORS

Low Voltage Power Capacitors

Applications

- Individual and group fixed compensation
- Controlled central compensation
- Filter circuits for mains systems with harmonics

Standards

- En 60831/1 and 2
- IEC 60831/1 and 2

Ranges

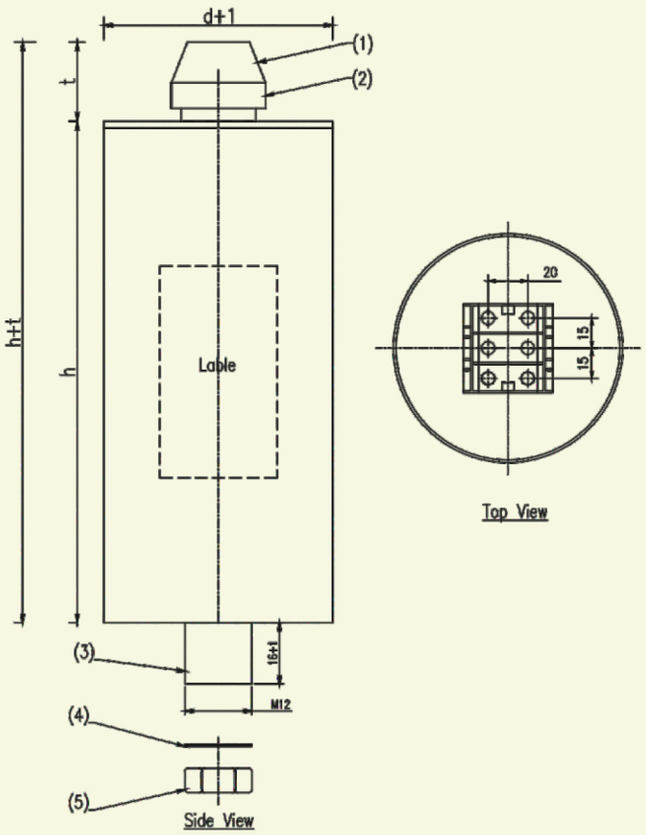
- 230 V to 1000 V, 50 Hz / 60 Hz
- 2.5 kvar to 56.2 kvar in cylindrical / triangular aluminum casing; up to 500 kvar in welded rectangular steel casing

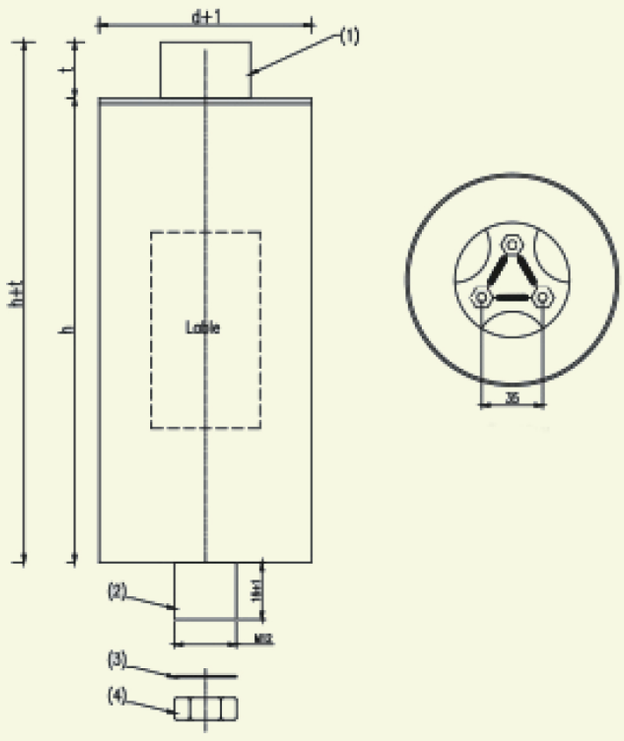
Benefits

- Low loss, self-healing MkP technology
- Compact design
- Excellent heat dissipationPOWER CAPACITORS Vishay ESTA
- Biodegradable, vegetable-based, non-PCB, non-toxic filling agent, or dry version available
- Burst-proof as confirmed by independent international inspection centers such as uL/uLc
- Highest overcurrent and inrush current capabilities
- Life expectancy of > 150 000 operating hours with highly consistent capacitance values
- Custom designs available



DRAWING





Screw Type Connector

SR. NO.	PARAMETERS	SPECIFICATION
1.	CREEPAGE DISTANCE	12 mm
2.	CLEARANCE	10 mm
3.	TORQUE M5	2.5 Nm
4.	TORQUE M12	10 Nm
5.	TORQUE M12	t = 44 mm

SR. NO.	DESCRIPTION	
1.	FINGER PROOF TERMINAL	Yes
2.	RESISTOR ASSEMBLY	Yes
3.	STUDE	M 12
4.	TOOTHED WASHER	M 12
5.	HEX NUT	M 12

BOLD Type Connector

SR. NO.	PARAMETERS	SPECIFICATION
1.	CREEPAGE DISTANCE	18 mm
2.	CLEARANCE	26 mm
3.	TORQUE M8	10 Nm
4.	TORQUE M12	10 Nm
5.	TERMINAL ASSEMBLY Ht	t = 39 mm

SR. NO.	DESCRIPTION	
1.	TERMINAL WITH RESISTOR ASSEMBLY	Yes
3.	STUDE	M 12
4.	TOOTHED WASHER	M 12
5.	HEX NUT	M 12

Freq.	400V	Operating Voltage 415V	440V	480V	525V	690V	Current of Max. Voltage	Rated Capacitance	Dimension (dxh)	Appro. Weight	AL CAN
Hz	KVAr	KVAr	KVAr	KVAr	KVAr	KVAr	Amp	uF	mm	Kg	Type
50	5	-	-	-	-	-	7.2	3x33.2	75X170	0.8	S
50	7.5	-	-	-	-	-	10.8	3x49.8	75X170	0.8	S
50	10	-	-	-	-	-	14.4	3x66.3	75X200	1.1	S
50	12.5	-	-	-	-	-	18.0	3x82.9	85X200	1.3	S
50	15	-	-	-	-	-	21.7	3x99.5	85X200	1.4	S
50	20	-	-	-	-	-	28.9	3x132.7	95X210	1.7	S
50	25	-	-	-	-	-	36.1	3x165.9	95X247	1.9	S
50	30	-	-	-	-	-	43.3	3x199	116X210	2.4	B
50	40	-	-	-	-	-	57.7	3x265.4	116X247	2.9	B
50	50	-	-	-	-	-	72.2	3x331.7	136X247	3.9	B

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COFA Studio

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