

LVAC Power Capacitors Terminal Block With Spring Connection

ESTAspring

FEATURES

- Maintenance free
- Reduced assembly times up to 60 %
- Vibration proof in wind power plants and during transport
- Optical connection check:
Lever closed = successfully contacted
- 2.5 mm² up to 25 mm² with wire-end sleeve
- Defined continuous contact force through spring technology
- Stainless steel spring
- Corrosion proof
- Fast and easy lever-operated wire connection
- Copper alloy for conductor material
- UL and cUL

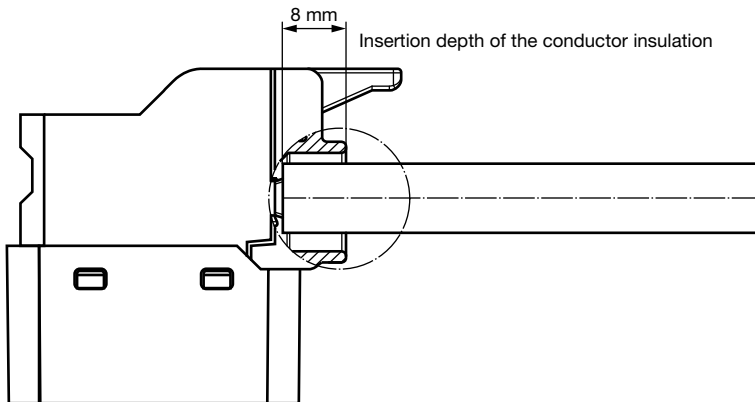
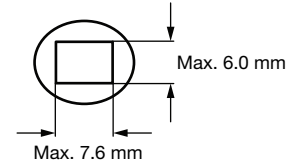
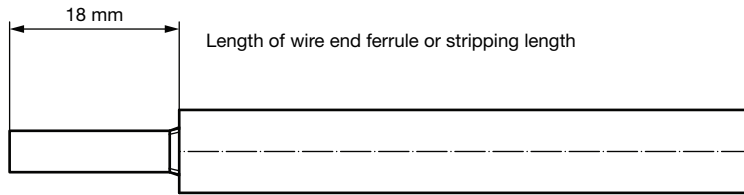
APPLICATIONS

- Wind power plants
- Solar panels and inverters
- Thermal power station
- Power factor correction $\leq 1000 \text{ VAC}_{\text{RMS}}$
- Harmonic filter


RoHS
 COMPLIANT
 HALOGEN
FREE
GREEN
 (5-2008)

QUICK REFERENCE DATA	
Series	PhMKP With ESTAspring
Description	LVAC Power Capacitors - Oil and Dry - INDOOR, IP20
Type	Capacitors, fixed, low voltage
Technology	MKP, metallized polypropylene film
Voltage max. (V)	1000
Capacitance min. (μF)	3-phase D: 3 x 11.5, 3-phase Y: 3 x 83.6, 1-phase: 49.7
Capacitance max. (μF)	3-phase D: 3 x 335.0, 3-phase Y: 3 x 219.3, 1-phase: 332.2
Output min. (kvar)	2
Output max. (kvar)	37.1

CAPACITORS WITH ESTAspring



Transverse ok



Upended wrong

STANDARDS FOR ESTAspring TERMINAL BLOCK

- Conductor pull-out test according to IEC 60998-2-1
- Impulse withstand voltage test according to IEC 60664-1
- Current carrying capacity up to 90 A/phase according to IEC 60512-5-2
- Vibration test according to IEC 60068-2-6
- Corrosion test according to IEC 6988
- Temperature shock test according to IEC 60512-11-4, clause 11d
- Degree of protection IP20, test according to DIN 40050-9/60529

The lever is designed for a minimum of 10 operating cycles. Continuous use can result in excessive wear.



CAPACITORS WITH ESTAspring

IP20, OIL

RATED VOLTAGE 400 V TO 660 V, DELTA CONNECTION						
TYPE	ARTICLE NO.	VOLTAGE V	OUTPUT kvar	CAP. μ F	CURRENT A	DIMENSIONS \varnothing x H mm
PhMKP400.3.12,50-S64	5341-48108-xx	400	12.5	3 x 82.9	18	64 x 265
PhMKP400.3.20,00-S84	5341-48807-xx	400	20	3 x 132.6	28.8	84.4 x 265
PhMKP400.3.25,00-S84	5341-48808-xx	400	25	3 x 165.8	36.1	84.4 x 265
PhMKP440.3.25,00-S84	5341-48816-xx	440	25	3 x 137	32.8	84.4 x 265
PhMKP440.3.28,10-S84	5341-48817-xx	440	28.1	3 x 154	36.9	84.4 x 265
PhMKP525.3.12,50-S84	5341-48820-xx	525	12.5	3 x 48.1	13.7	84.4 x 190
PhMKP525.3.20,00-S84	5341-48823-xx	525	20	3 x 77	22	84.4 x 265
PhMKP525.3.25,00-S84	5341-48824-xx	525	25	3 x 96.2	27.5	84.4 x 265
PhMKP660.3.22,90-S84	5341-48831-xx	660	22.9	3 x 55.8	20	84.4 x 340

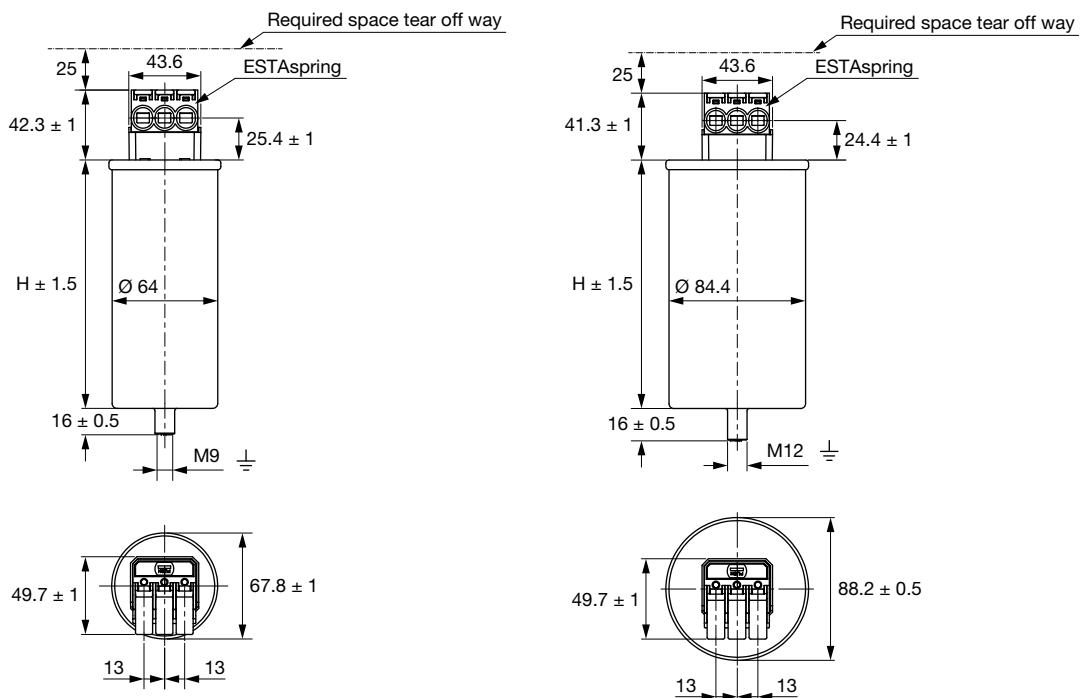
ORDERING INFORMATION				
PhMKP	440	.3.	28,10	-S84
Series (oil-filled)	Voltage (V)	Delta-connected	Output (kvar)	ESTAspring on 84 mm diameter can

Notes

- Additional ratings on request:

Series	PhMKP, oil-filled; PhMKPg, DRY, gas-filled
Voltage (V_{AC})	230 to 1000
Connection	Single = 1; Star = 2; Delta = 3
Output (kvar)	2 to 37.1
Terminal / diameter	S = ESTAspring / 64 mm, 84 mm, 116 mm, 136 mm

DIMENSIONS in millimeters





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