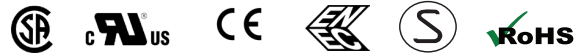
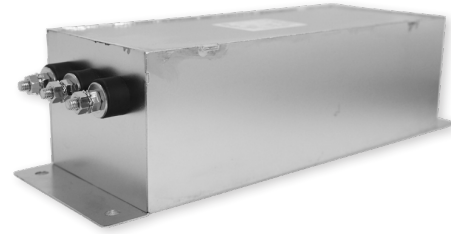


RP325

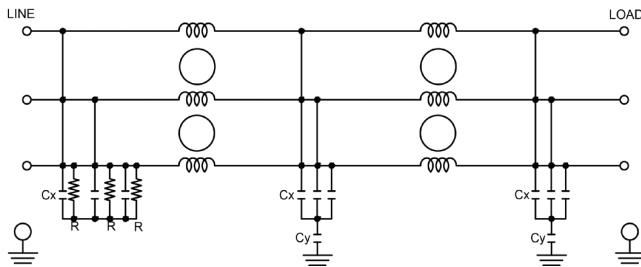
3-PHASE **DELTA** DUAL STAGE POWER LINE FILTER

FEATURES

- » Rated currents include **15A, 30A, 50A, 80A, 100A, 150A, 200A, and 300A**
- » Dual Stage Line Filter
- » Available with **W** (wires), **S** (studs) and **C** (connectors) option
- » Agency Approved to UL1283 / 60929, CSA C22.2, EN 60939
- » Y-cap value can be adjusted to fit specification



ELECTRICAL SCHEMATIC



SPECIFICATIONS

| | |
|-------------------------|--|
| OPERATING FREQUENCY | 50/60Hz |
| USABLE FREQUENCY | DC - 400 Hz |
| MAX. OPERATING VOLTAGE* | 480V +10% |
| AMBIENT TEMPERATURE | -25 TO 50°C |
| CLIMATIC CATEGORY | 25/100/21 |
| TERMINALS (-T) | WIRE LEADS STUDS 15-50A(M5), 80-100A(M6), 150-200A(M10), 300A(M12) CONNECTORS |
| TYP. WEIGHT, LBS (KG) | 4.7-25.0 (2.1-11.3) |

TYPICAL LEAKAGE CURRENT

@ 480 VAC 60 Hz 0 - 20.0 mA Max.

HIPOT RATINGS

LINE TO GROUND 3500 VDC

TYPICAL APPLICATIONS

- ✓ High Power Rectifiers
- ✓ Uninterrupted Power Supplies
- ✓ Inverters
- ✓ Industrial Automation Equipment
- ✓ Medical Devices
- ✓ General Purpose 3-Phase Filter Needs

HOW TO ORDER

RP325-X-Y-Z

- Z = TERMINAL (-T)
- Y = Y-CAP, NF
- X = RATED CURRENT
- RP350 = FILTER SERIES

NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS

E.G. **RP325-50-1000-S** (50AMPS WITH 1000 NF YCAP)

For **X, Y** and **Z** options see product specification table.

RP325

3-PHASE **DELTA** DUAL STAGE POWER LINE FILTER

| MODEL NO. | RATED CURRENT, A @ 40° C | Y-CAP, nF | LEAKAGE CURRENT mA, @ 480V AC/60 Hz | TERMINAL OPTIONS | | | MAX. DIMENSIONS" (MM) | | |
|-----------------|--------------------------|-----------|-------------------------------------|-------------------|-------------------|-------------------|-----------------------|-------------|-----------|
| | | | | (W) INPUT/ OUTPUT | (S) INPUT/ OUTPUT | (C) INPUT/ OUTPUT | WIDTH | (LENGTH) | HEIGHT |
| RP325-15-0-S | 15 | 0 | - | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-15-0-W | 15 | 0 | - | ✓ | | | * | * | * |
| RP325-15-10-S | 15 | 10 | 0.10 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-15-10-W | 15 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-15-100-S | 15 | 100 | 1.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-15-100-W | 15 | 100 | 1.00 | ✓ | | | * | * | * |
| RP325-15-1000-S | 15 | 1000 | 10.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-15-1000-W | 15 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-15-2000-S | 15 | 2000 | 20.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-15-2000-W | 15 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-30-0-C | 30 | 0 | - | | | ✓ | * | * | * |
| RP325-30-0-S | 30 | 0 | - | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-30-0-W | 30 | 0 | - | ✓ | | | * | * | * |
| RP325-30-10-C | 30 | 10 | 0.10 | | | ✓ | * | * | * |
| RP325-30-10-S | 30 | 10 | 0.10 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-30-10-W | 30 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-30-100-C | 30 | 100 | 1.00 | | | ✓ | * | * | * |
| RP325-30-100-S | 30 | 100 | 1.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-30-100-W | 30 | 100 | 1.00 | ✓ | | | * | * | * |
| RP325-30-1000-C | 30 | 1000 | 10.00 | | | ✓ | * | * | * |
| RP325-30-1000-S | 30 | 1000 | 10.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-30-1000-W | 30 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-30-2000-C | 30 | 2000 | 20.00 | | | ✓ | * | * | * |
| RP325-30-2000-S | 30 | 2000 | 20.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-30-2000-W | 30 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-50-0-C | 50 | 0 | - | | | ✓ | * | * | * |
| RP325-50-0-S | 50 | 0 | - | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-50-0-W | 50 | 0 | - | ✓ | | | * | * | * |
| RP325-50-10-C | 50 | 10 | 0.10 | | | ✓ | * | * | * |
| RP325-50-10-S | 50 | 10 | 0.10 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-50-10-W | 50 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-50-100-C | 50 | 100 | 1.00 | | | ✓ | * | * | * |
| RP325-50-100-S | 50 | 100 | 1.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-50-100-W | 50 | 100 | 1.00 | ✓ | | | * | * | * |

ADDITIONAL MODEL NO. >>

RP325

3-PHASE **DELTA** DUAL STAGE POWER LINE FILTER

| MODEL NO. | RATED CURRENT, A @ 40° C | Y-CAP, nF | LEAKAGE CURRENT mA, @ 480V AC/60 Hz | TERMINAL OPTIONS | | | MAX. DIMENSIONS" (MM) | | |
|------------------|--------------------------|-----------|-------------------------------------|-------------------|-------------------|-------------------|-----------------------|-------------|------------|
| | | | | (W) INPUT/ OUTPUT | (S) INPUT/ OUTPUT | (C) INPUT/ OUTPUT | WIDTH | (LENGTH) | HEIGHT |
| RP325-50-1000-C | 50 | 1000 | 10.00 | | | ✓ | * | * | * |
| RP325-50-1000-S | 50 | 1000 | 10.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-50-1000-W | 50 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-50-2000-C | 50 | 2000 | 20.00 | | | ✓ | * | * | * |
| RP325-50-2000-S | 50 | 2000 | 20.00 | | ✓ | | 3.50"(89) | 10.00"(254) | 2.75"(70) |
| RP325-50-2000-W | 50 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-80-0-C | 80 | 0 | - | | | ✓ | * | * | * |
| RP325-80-0-S | 80 | 0 | - | | ✓ | | 4.00"(102) | 12.00"(305) | 3.25"(83) |
| RP325-80-0-W | 80 | 0 | - | ✓ | | | * | * | * |
| RP325-80-10-C | 80 | 10 | 0.10 | | | ✓ | * | * | * |
| RP325-80-10-S | 80 | 10 | 0.10 | | ✓ | | 4.00"(102) | 12.00"(305) | 3.25"(83) |
| RP325-80-10-W | 80 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-80-100-C | 80 | 100 | 1.00 | | | ✓ | * | * | * |
| RP325-80-100-S | 80 | 100 | 1.00 | | ✓ | | 4.00"(102) | 12.00"(305) | 3.25"(83) |
| RP325-80-100-W | 80 | 100 | 1.00 | ✓ | | | * | * | * |
| RP325-80-1000-C | 80 | 1000 | 10.00 | | | ✓ | * | * | * |
| RP325-80-1000-S | 80 | 1000 | 10.00 | | ✓ | | 4.00"(102) | 12.00"(305) | 3.25"(83) |
| RP325-80-1000-W | 80 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-80-2000-C | 80 | 2000 | 20.00 | | | ✓ | * | * | * |
| RP325-80-2000-S | 80 | 2000 | 20.00 | | ✓ | | 4.00"(102) | 12.00"(305) | 3.25"(83) |
| RP325-80-2000-W | 80 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-100-0-C | 100 | 0 | - | | | ✓ | * | * | * |
| RP325-100-0-S | 100 | 0 | - | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-100-0-W | 100 | 0 | - | ✓ | | | * | * | * |
| RP325-100-10-C | 100 | 10 | 0.10 | | | ✓ | * | * | * |
| RP325-100-10-S | 100 | 10 | 0.10 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-100-10-W | 100 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-100-100-C | 100 | 100 | 1.00 | | | ✓ | * | * | * |
| RP325-100-100-S | 100 | 100 | 1.00 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-100-100-W | 100 | 100 | 1.00 | ✓ | | | * | * | * |
| RP325-100-1000-C | 100 | 1000 | 10.00 | | | ✓ | * | * | * |
| RP325-100-1000-S | 100 | 1000 | 10.00 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-100-1000-W | 100 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-100-2000-C | 100 | 2000 | 20.00 | | | ✓ | * | * | * |

ADDITIONAL MODEL NO. >>

RP325

3-PHASE **DELTA** DUAL STAGE POWER LINE FILTER

| MODEL NO. | RATED CURRENT, A @ 40° C | Y-CAP, nF | LEAKAGE CURRENT mA, @ 480V AC/60 Hz | TERMINAL OPTIONS | | | MAX. DIMENSIONS" (MM) | | |
|------------------|--------------------------|-----------|-------------------------------------|-------------------|-------------------|-------------------|-----------------------|-------------|------------|
| | | | | (W) INPUT/ OUTPUT | (S) INPUT/ OUTPUT | (C) INPUT/ OUTPUT | WIDTH | (LENGTH) | HEIGHT |
| RP325-100-2000-S | 100 | 2000 | 20.00 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-100-2000-W | 100 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-150-0-C | 150 | 0 | - | | | ✓ | * | * | * |
| RP325-150-0-S | 150 | 0 | - | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-150-0-W | 150 | 0 | - | ✓ | | | * | * | * |
| RP325-150-10-C | 150 | 10 | 0.10 | | | ✓ | * | * | * |
| RP325-150-10-S | 150 | 10 | 0.10 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-150-10-W | 150 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-150-100-C | 150 | 100 | 1.00 | | | ✓ | * | * | * |
| RP325-150-100-S | 150 | 100 | 1.00 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-150-100-W | 150 | 100 | 1.00 | ✓ | | | * | * | * |
| RP325-150-1000-C | 150 | 1000 | 10.00 | | | ✓ | * | * | * |
| RP325-150-1000-S | 150 | 1000 | 10.00 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-150-1000-W | 150 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-150-2000-C | 150 | 2000 | 20.00 | | | ✓ | * | * | * |
| RP325-150-2000-S | 150 | 2000 | 20.00 | | ✓ | | 6.40"(163) | 15.75"(400) | 5.68"(144) |
| RP325-150-2000-W | 150 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-200-0-C | 200 | 0 | - | | | ✓ | * | * | * |
| RP325-200-0-S | 200 | 0 | - | | ✓ | | 6.61"(168) | 15.75"(400) | 4.49"(114) |
| RP325-200-0-W | 200 | 0 | - | ✓ | | | * | * | * |
| RP325-200-10-C | 200 | 10 | 0.10 | | | ✓ | * | * | * |
| RP325-200-10-S | 200 | 10 | 0.10 | | ✓ | | 6.61"(168) | 15.75"(400) | 4.49"(114) |
| RP325-200-10-W | 200 | 10 | 0.10 | ✓ | | | * | * | * |
| RP325-200-100-C | 200 | 100 | 1.00 | | | ✓ | * | * | * |
| RP325-200-100-S | 200 | 100 | 1.00 | | ✓ | | 6.61"(168) | 15.75"(400) | 4.49"(114) |
| RP325-200-100-W | 200 | 100 | 1.00 | ✓ | | | * | * | * |
| RP325-200-1000-C | 200 | 1000 | 10.00 | | | ✓ | * | * | * |
| RP325-200-1000-S | 200 | 1000 | 10.00 | | ✓ | | 6.61"(168) | 15.75"(400) | 4.49"(114) |
| RP325-200-1000-W | 200 | 1000 | 10.00 | ✓ | | | * | * | * |
| RP325-200-2000-C | 200 | 2000 | 20.00 | | | ✓ | * | * | * |
| RP325-200-2000-S | 200 | 2000 | 20.00 | | ✓ | | 6.61"(168) | 15.75"(400) | 4.49"(114) |
| RP325-200-2000-W | 200 | 2000 | 20.00 | ✓ | | | * | * | * |
| RP325-300-0-S | 300 | 0 | - | | ✓ | | 7.00"(178) | 20.01"(508) | 5.00"(127) |
| RP325-300-10-S | 300 | 10 | 0.10 | | ✓ | | 7.00"(178) | 20.01"(508) | 5.00"(127) |

ADDITIONAL MODEL NO. >>

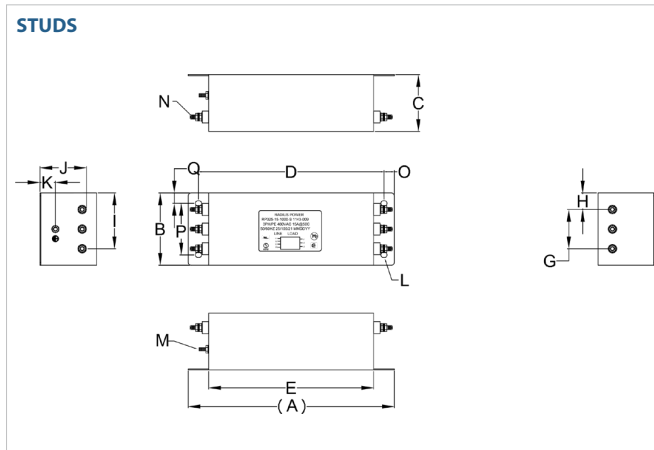
RP325

3-PHASE DELTA DUAL STAGE POWER LINE FILTER

| MODEL NO. | RATED CURRENT, A @ 40° C | Y-CAP, nF | LEAKAGE CURRENT mA, @ 480V AC/60 Hz | TERMINAL OPTIONS | | | MAX. DIMENSIONS" (MM) | | |
|------------------|--------------------------|-----------|-------------------------------------|-------------------|-------------------|-------------------|-----------------------|-------------|------------|
| | | | | (W) INPUT/ OUTPUT | (S) INPUT/ OUTPUT | (C) INPUT/ OUTPUT | WIDTH | (LENGTH) | HEIGHT |
| RP325-300-100-S | 300 | 100 | 1.00 | | ✓ | | 7.00"(178) | 20.01"(508) | 5.00"(127) |
| RP325-300-1000-S | 300 | 1000 | 10.00 | | ✓ | | 7.00"(178) | 20.01"(508) | 5.00"(127) |
| RP325-300-2000-S | 300 | 2000 | 20.00 | | ✓ | | 7.00"(178) | 20.01"(508) | 5.00"(127) |

*Contact factory for dimensions.

RP325 MECHANICAL OUTLINES (MM)



| SERIES | (A) | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
|--------------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|---------------|---------------|----------------|----------------|---------------|--|-------------------|------------------|---------------|----------------|---------------|
| STUDS (15/30/50A) | 10.00" (254) | 3.50" (89) | 2.75" (70) | 9.00" (229) | 8.00" (203) | 3.50" (89) | 1.90" (48) | 0.80" (20) | 2.70" (69) | 2.26" (57) | 0.75" (19) | Ø, 0.29"x6.4,4x Ø, 7.6x6.4, 4x | STUD, GND, M5 | STUD, M5, 6x | 0.50" (13) | 2.50" (64) | 0.50" (13) |
| STUDS (80A) | 12.00" (305) | 4.00" (102) | 3.25" (83) | 11.00" (279) | 10.00" (254) | 4.00" (102) | 2.00" (51) | 1.00" (25) | 3.00" (76) | 2.25" (57) | 1.00" (25) | Ø, 0.25"x7.6,4x Ø, 6.4x7.6, 4x | STUD, GND, M6 | STUD, M6, 6x | 0.50" (13) | 3.00" (76) | 0.50" (13) |
| STUDS (100/150A) | 15.75" (400) | 6.40" (163) | 5.68" (144) | 14.70" (373) | 13.00" (330) | 6.60" (168) | 3.30" (84) | 1.65" (42) | 4.95" (126) | 3.50" (89) | 1.00" (25) | Ø, 0.29"x15.20,4x Ø, 7.62x15.20, 4x | STUD, GND, M6 | STUD, M6, 6x | 0.53" (13) | 5.12" (130) | 0.74" (19) |
| STUDS (200A) | 15.75" (400) | 6.61" (168) | 4.49" (114) | 14.70" (373) | 12.99" (330) | 6.61" (168) | 3.31" (84) | 1.65" (42) | 4.96" (126) | 3.50" (89) | 1.00" (25) | Ø, 0.29"x15.20,4x Ø, 7.62x15.20, 4x | STUD, GND, M10 | STUD, M10, 6x | 0.75" (19) | 5.12" (130) | 0.52" (13) |
| STUDS (300A) | 20.01" (508) | 7.00" (178) | 5.00" (127) | 19.01" (483) | 18.00" (457) | 7.00" (178) | 3.50" (89) | 1.75" (45) | 5.25" (133) | 4.00" (102) | 1.00" (25) | Ø0.59"x7.6,4x Ø 15.2x7.6, 4x | STUD, GND, M10 | STUD, M12, 6x | 0.50" (13) | 6.00" (152) | 0.50" (13) |

TYPICAL TOLERANCE: +/-0.02" (0.50MM)

RP325

3-PHASE **DELTA** DUAL STAGE POWER LINE FILTER

TYPICAL INSERTION LOSS, dB (50/50 Ohm)

| Amps | Freq (MHz) | 0.15 | 0.5 | 1.0 | 10 | 30 |
|------|------------|------|-----|-----|----|----|
| 15 | CM (dB) | 65 | 75 | 75 | 58 | 40 |
| | DM (dB) | 65 | 75 | 75 | 75 | 70 |
| 30 | CM (dB) | 65 | 75 | 75 | 58 | 40 |
| | DM (dB) | 65 | 75 | 75 | 75 | 70 |
| 50 | CM (dB) | 58 | 70 | 70 | 58 | 40 |
| | DM (dB) | 60 | 70 | 75 | 70 | 60 |
| 80 | CM (dB) | 54 | 65 | 65 | 55 | 40 |
| | DM (dB) | 55 | 60 | 60 | 50 | 38 |
| 100 | CM (dB) | 70 | 75 | 75 | 58 | 30 |
| | DM (dB) | 55 | 70 | 70 | 60 | 30 |
| 150 | CM (dB) | 65 | 70 | 70 | 55 | 30 |
| | DM (dB) | 50 | 65 | 70 | 60 | 30 |
| 200 | CM (dB) | 60 | 65 | 60 | 50 | 35 |
| | DM (dB) | 50 | 65 | 70 | 60 | 30 |
| 300 | CM (dB) | 60 | 65 | 60 | 48 | 40 |
| | DM (dB) | 55 | 55 | 55 | 50 | 30 |