

# > Product Overview

## 1-Phase AC Filters/DC Filters

|                                                                                     | Filter Type                                    | Rated Voltages     | Current Range                   | Application     |            |         |              | Attenuation         |                 |                      |                   | Leakage Current |                 |                   |                     | Connection |               |              |                 |
|-------------------------------------------------------------------------------------|------------------------------------------------|--------------------|---------------------------------|-----------------|------------|---------|--------------|---------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|---------------------|------------|---------------|--------------|-----------------|
|                                                                                     |                                                |                    |                                 | General Purpose | Industrial | Medical | IT / Telecom | Standard 20 - 50 dB | High 40 - 70 dB | Very High 60 - 80 dB | Excellent > 70 dB | Medical < 5 µA  | Medical < 80 µA | Standard < 0.5 mA | Industrial > 0.5 mA | PCB        | Quick Connect | Bolt and Nut | Screw Terminals |
| SINGLE STAGE FILTER                                                                 |                                                |                    |                                 |                 |            |         |              |                     |                 |                      |                   |                 |                 |                   |                     |            |               |              |                 |
|    | <b>5500</b><br>optional shield                 | 125 VAC<br>250 VAC | <div><div>1 - 10 A</div></div>  | •               |            | •       |              | •                   |                 |                      |                   | •               |                 | •                 |                     | •          |               |              |                 |
|    | <b>FMAB-72</b><br>aluminium shield             | 125 VAC<br>250 VAC | <div><div>2 - 16 A</div></div>  | •               |            | •       |              | •                   |                 |                      |                   | •               | •               | •                 |                     | •          |               |              |                 |
|   | <b>FMLB-09 /-41</b><br>cost optimized          | 125 VAC<br>250 VAC | <div><div>1 - 20 A</div></div>  | •               | •          | •       |              | •                   |                 |                      |                   | •               | •               | •                 |                     | •          |               | •            |                 |
|  | <b>FMLB-51</b><br>good symmetrical attenuation | 125 VAC<br>250 VAC | <div><div>6 - 20 A</div></div>  | •               | •          | •       |              | •                   |                 |                      |                   | •               | •               | •                 |                     | •          |               | •            |                 |
|  | <b>FMW-41</b><br>optional surge protection     | 125 VAC<br>250 VAC | <div><div>1 - 10 A</div></div>  | •               | •          | •       |              | •                   |                 |                      |                   | •               | •               | •                 |                     | •          |               | •            |                 |
|  | <b>FMW-55</b><br>for industrial application    | 125 VAC<br>250 VAC | <div><div>10 - 20 A</div></div> | •               | •          |         |              | •                   |                 |                      |                   |                 |                 | •                 | •                   | •          |               |              |                 |
|  | <b>FMAB</b><br>broad band attenuation          | 125 VAC<br>250 VAC | <div><div>12 - 30 A</div></div> | •               | •          |         | •            |                     |                 | •                    | •                 |                 |                 |                   | •                   |            |               | •            |                 |
|  | <b>FMAB-RAIL</b><br>DIN rail mounting          | 125 VAC<br>250 VAC | <div><div>10 - 20 A</div></div> | •               | •          |         |              |                     |                 | •                    | •                 |                 |                 |                   | •                   |            |               | •            |                 |
|  | <b>FMEB</b><br>DC single pole                  | 43 VDC<br>80 VDC   | <div><div>5 - 30 A</div></div>  |                 |            |         | •            | •                   |                 |                      |                   |                 |                 | n/a               |                     | •          |               | •            |                 |
|  | <b>FMEC</b><br>DC dual pole                    | ± 80 VDC           | <div><div>5 - 30 A</div></div>  |                 |            |         | •            | •                   |                 |                      |                   |                 |                 | n/a               |                     | •          |               | •            |                 |
| DOUBLE STAGE FILTER                                                                 |                                                |                    |                                 |                 |            |         |              |                     |                 |                      |                   |                 |                 |                   |                     |            |               |              |                 |
|  | <b>FMBB</b><br>broad band attenuation          | 125 VAC<br>250 VAC | <div><div>8 - 25 A</div></div>  | •               | •          |         |              |                     |                 | •                    |                   |                 |                 | •                 | •                   |            |               | •            | •               |
|  | <b>FMBB-NEO</b><br>broad band attenuation      | 125 VAC<br>250 VAC | <div><div>1 - 36 A</div></div>  | •               | •          | •       |              |                     |                 | •                    | •                 |                 | •               | •                 | •                   | •          | •             | •            |                 |
|  | <b>FMBB-RAIL</b><br>DIN rail mounting          | 125 VAC<br>250 VAC | <div><div>1 - 10 A</div></div>  | •               | •          |         |              |                     |                 | •                    | •                 |                 |                 |                   | •                   | •          |               | •            |                 |
|  | <b>FSW</b><br>high asymmetrical attenuation    | 125 VAC<br>250 VAC | <div><div>3 - 36 A</div></div>  | •               | •          |         |              |                     |                 | •                    |                   |                 |                 | •                 | •                   |            | •             | •            |                 |
|  | <b>FSS</b><br>high symmetrical attenuation     | 125 VAC<br>250 VAC | <div><div>1 - 10 A</div></div>  | •               | •          |         |              |                     |                 | •                    |                   |                 |                 |                   | •                   | •          |               | •            |                 |
| MULTI STAGE FILTER                                                                  |                                                |                    |                                 |                 |            |         |              |                     |                 |                      |                   |                 |                 |                   |                     |            |               |              |                 |
|  | <b>FMW-150</b><br>high attenuation             | 125 VAC<br>250 VAC | <div><div>4 - 30 A</div></div>  | •               | •          |         |              |                     |                 | •                    | •                 | •               |                 |                   | •                   |            |               | •            |                 |

## 3-Phase AC Filters/DC Filters

| Filter Type                                                                         | Phases Neutral                                       | Rated Voltages | Current Range      | Application     |        |            |                  | Attenuation       |                 |                    |                   | Leakage Current |                    |                    | Connection    |              |                 |         |
|-------------------------------------------------------------------------------------|------------------------------------------------------|----------------|--------------------|-----------------|--------|------------|------------------|-------------------|-----------------|--------------------|-------------------|-----------------|--------------------|--------------------|---------------|--------------|-----------------|---------|
|                                                                                     |                                                      |                |                    | General Purpose | Drives | Industrial | Renewable Energy | Standard 20-50 dB | High h 40-70 dB | Very High 60-80 dB | Excellent > 70 dB | Standard < 1 mA | Industrial < 15 mA | Industrial > 15 mA | Quick Connect | Bolt and Nut | Screw Terminals | Bus Bar |
| SINGLE STAGE FILTER                                                                 |                                                      |                |                    |                 |        |            |                  |                   |                 |                    |                   |                 |                    |                    |               |              |                 |         |
|    | <b>FMAC</b><br>wide current range                    | 3P             | 480 VAC<br>520 VAC | 6 - 1100 A      | •      | •          | •                | •                 | •               | •                  | •                 | •               | •                  | •                  | •             | •            | •               |         |
|    | <b>FMAC ECO</b><br>cost optimized                    | 3P             | 480 VAC            | 16 - 150 A      | •      | •          | •                | •                 | •               | •                  |                   |                 |                    | •                  |               | •            |                 |         |
|    | <b>FMAC RAIL</b><br>DIN rail mounting                | 3P             | 480 VAC            | 3 - 20 A        | •      |            | •                |                   | •               |                    |                   |                 | •                  | •                  |               | •            |                 |         |
|    | <b>FMW4-65</b><br>compact design                     | 3P N           | 440 VAC            | 3 - 20 A        | •      |            | •                |                   | •               |                    |                   |                 | •                  | •                  | •             |              |                 |         |
|    | <b>FMAD</b><br>high attenuation                      | 3P N           | 277 VAC<br>480 VAC | 6 - 250 A       | •      | •          | •                | •                 |                 | •                  | •                 |                 |                    | •                  |               | •            |                 |         |
|    | <b>FMAD RAIL</b><br>DIN rail mounting                | 3P N           | 277 VAC<br>480 VAC | 3 - 20 A        | •      |            | •                |                   | •               | •                  |                   |                 | •                  | •                  |               | •            |                 |         |
|   | <b>FMER SOL</b><br>high power DC photovoltaic Filter | 2P             | 1200 VDC           | 25 - 2300 A     |        |            |                  | •                 |                 |                    | •                 | •               | n/a                |                    |               | •            | •               |         |
| DOUBLE STAGE FILTER                                                                 |                                                      |                |                    |                 |        |            |                  |                   |                 |                    |                   |                 |                    |                    |               |              |                 |         |
|  | <b>FMBC</b><br>high attenuation                      | 3P             | 480 VAC            | 8 - 64 A        | •      | •          | •                | •                 |                 |                    | •                 | •               |                    | •                  |               | •            |                 |         |
|  | <b>FMBC ECO</b><br>cost optimized                    | 3P             | 480 VAC            | 10 - 115 A      | •      | •          | •                | •                 | •               | •                  |                   |                 |                    | •                  |               | •            |                 |         |
|  | <b>FMBC NEO</b><br>light weight                      | 3P             | 480 VAC<br>520 VAC | 7 - 180 A       | •      | •          | •                | •                 |                 |                    | •                 | •               |                    | •                  |               | •            |                 |         |
|  | <b>FMBC BOOK STYLE</b><br>slim design                | 3P             | 480 VAC            | 10 - 115 A      | •      | •          | •                |                   |                 |                    | •                 | •               |                    | •                  |               | •            |                 |         |
|  | <b>FMBD NEO</b><br>excellent performance             | 3P N           | 300 VAC<br>520 VAC | 8 - 200 A       | •      | •          | •                | •                 |                 |                    | •                 | •               | •                  |                    |               | •            |                 |         |
| MULTI STAGE FILTER                                                                  |                                                      |                |                    |                 |        |            |                  |                   |                 |                    |                   |                 |                    |                    |               |              |                 |         |
|  | <b>FMCC</b><br>compact for high power                | 3P             | 520 VAC<br>690 VAC | 150 - 2500 A    | •      | •          | •                | •                 |                 |                    | •                 |                 |                    | •                  |               | •            | •               |         |
| OUTPUT FILTER                                                                       |                                                      |                |                    |                 |        |            |                  |                   |                 |                    |                   |                 |                    |                    |               |              |                 |         |
|  | <b>FMAC OUT</b><br>high voltage                      | 3P             | 550 VAC            | 8 - 32 A        |        | •          | •                |                   | •               |                    |                   |                 | •                  |                    |               | •            |                 |         |
|  | <b>FMAC SINE</b><br>for motor cables up to 200 m     | 3P             | 500 VAC<br>288 VAC | 4 - 16 A        |        | •          | •                |                   | •               |                    |                   |                 | •                  |                    |               | •            |                 |         |
|  | <b>FMAC SINE DCL</b><br>with voltage DC link         | 3P             | 500 VAC<br>288 VAC | 4 - 16 A        |        | •          | •                |                   | •               |                    |                   |                 | •                  |                    |               | •            |                 |         |

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