

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

### Description

Capacitors with snap lock terminals for P.C.B. mounting.  
Aluminum case with insulated sleeve and safety vent at the bottom.  
RoHS compliant and Lead-free

### Applications

Industrial and professional power electronics,  
welding machine, motor drives traction, battery chargers,  
S.M.P.S., U.P.S., inverters converters.

### Features

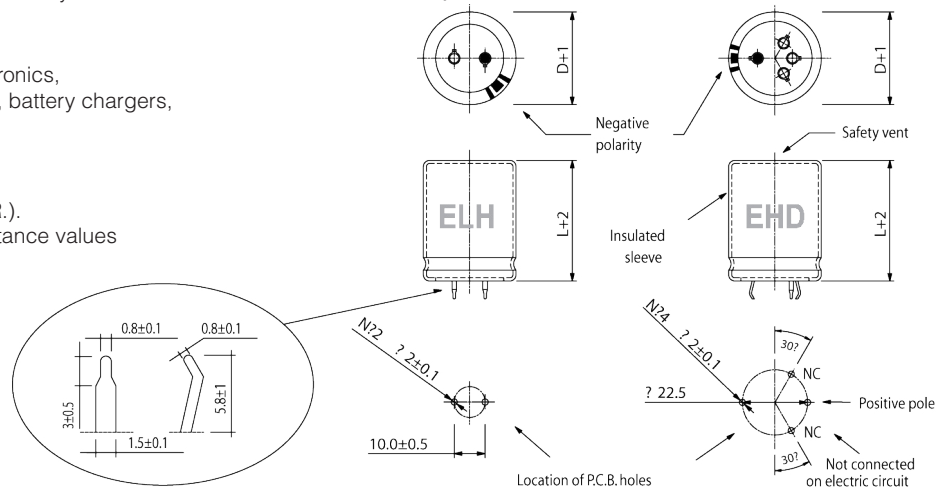
High reliability  
Low equivalent series resistance (E.S.R.).  
Different case size available for capacitance values

### Marking

KEMET (previously Arcotronics) logo  
series: (ELH or EHD)  
operating temperature: (85°C)  
rated voltage: (Vdc),  
capacitance (µF),  
negative polarity (white line),  
date code.

### Diagram of dimensions (Units=mm) and P.C.B. mounting holes

Shorter pins are available upon request  
EHD series only for  $\varnothing \geq 35$  mm



### Electrical characteristics

|                       |  |                 |
|-----------------------|--|-----------------|
| Rated voltage         | 6.3 to 100 Vdc   | 160 to 450 Vdc  |
| Operating temperature | -40 to +85°C   | -25 to +85°C    |
| Capacitance range     | 820 µF to 120000µF   | 47µF to 2700µF. |
| Capacitance tolerance | ± 20% at 120Hz / 20°C  |                 |
| Endurance test        | 2000 h (see conditions in Test method and performance)   |                 |
| Leakage current       | I = 0.02 CV (µA) or 3 mA whichever is smaller<br>C = rated capacitance (µF); V = rated voltage (Vdc)<br>(after that DC rated voltage at 20°C has been applied for 5 min) |                 |

### Impedance Z characteristics at 120 Hz

| Rated voltage (Vdc)  | 6.3 to 16 | 25 | 35 | 50 to 63 | 80 to 100 | 160 to 400 | 450 |
|----------------------|-----------|----|----|----------|-----------|------------|-----|
| Z (-25°C) / Z (20°C) | 3         | 3  | 3  | 2        | 2         | 4          | 8   |
| Z (-40°C) / Z (20°C) | 12        | 10 | 8  | 6        | 5         |            |     |

### Compensation factor of ripple current (R.C.) vs. frequency

| Rated voltage      | 50 Hz | 60 Hz | 120 Hz | 1kHz | 10 to 100 kHz |
|--------------------|-------|-------|--------|------|---------------|
| from 6.3 to 100Vdc | 0.88  | 0.90  | 1.00   | 1.15 | 1.16          |
| from 160 to 250Vdc | 0.75  | 0.78  | 1.00   | 1.16 | 1.23          |
| from 350 to 450Vdc | 0.74  | 0.76  | 1.00   | 1.10 | 1.15          |

### Compensation factor of ripple current (R.C.) vs. temperature

| Temperature        | 40°C | 60°C | 70°C | 85°C |
|--------------------|------|------|------|------|
| Multiplier factors | 1.48 | 1.42 | 1.30 | 1.00 |

### Test method and performance

| Conditions   | Load life test   | Shelf life test  |
|--|--|--|
| Temperature:<br>Test duration:<br>Ripple current:              | 85°C<br>2000 hours<br>max ripple current at 120 Hz 85°C<br>specified in table                                  | 85°C<br>1000 hours<br>no ripple current applied.   |
| Voltage:   | the sum of D.C. voltage and the peak A.C. voltage<br>must not exceed the rated voltage of capacitor.           | no voltage applied.  |
| <b>Performance</b>   | The following specifications will be satisfied when the capacitors will be restored at 20°C.                   |  |
| Capacitance change:<br>Dissipation factor:<br>Leakage current: | within 20% of initial value.<br>not exceed 200% of the initial requirement.<br>not exceed initial requirement. | within 20% of initial value.<br>not exceed 150% of the initial requirement.<br>not exceed initial requirement. |

**SNAP-IN TERMINALS - General purpose 85°C / 2000 h**

**Technical data and ordering codes**

| 6.3 Vdc Rated voltage - 8 Vdc Surge voltage |                          |                                   |   |                                |                 |
|---|--------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 15000                                       | 22 x 25                  | 60                                | 2.44  | 1.9                            | ELH159M6R3AQ1AA |
| 18000                                       | 22 x 30                  | 60                                | 2.60  | 2.3                            | ELH189M6R3AQ2AA |
| 18000                                       | 25 x 25                  | 60                                | 2.62  | 2.3                            | ELH189M6R3AR1AA |
| 22000                                       | 22 x 30                  | 60                                | 3.06  | 2.8                            | ELH229M6R3AQ2AA |
| 22000                                       | 25 x 25                  | 60                                | 3.07  | 2.8                            | ELH229M6R3AR1AA |
| 27000                                       | 22 x 35                  | 60                                | 3.49  | 3                              | ELH279M6R3AQ3AA |
| 27000                                       | 25 x 30                  | 60                                | 3.52  | 3                              | ELH279M6R3AR2AA |
| 27000                                       | 30 x 25                  | 60                                | 3.57  | 3                              | ELH279M6R3AS1AA |
| 33000                                       | 22 x 40                  | 60                                | 3.97  | 3                              | ELH339M6R3AQ4AA |
| 33000                                       | 25 x 35                  | 60                                | 4.02  | 3                              | ELH339M6R3AR3AA |
| 33000                                       | 30 x 30                  | 60                                | 4.05  | 3                              | ELH339M6R3AS2AA |
| 33000                                       | 35 x 25                  | 60                                | 4.10  | 3                              | ELH339M6R3AT1AA |
| 39000                                       | 22 x 45                  | 60                                | 4.56  | 3                              | ELH399M6R3AQ5AA |
| 39000                                       | 25 x 40                  | 60                                | 4.50  | 3                              | ELH399M6R3AR4AA |
| 39000                                       | 30 x 30                  | 60                                | 4.46  | 3                              | ELH399M6R3AS2AA |
| 39000                                       | 35 x 25                  | 60                                | 4.51  | 3                              | ELH399M6R3AT1AA |
| 47000                                       | 25 x 45                  | 60                                | 5.09  | 3                              | ELH479M6R3AR5AA |
| 47000                                       | 30 x 35                  | 60                                | 5.06  | 3                              | ELH479M6R3AS3AA |
| 47000                                       | 35 x 30                  | 60                                | 5.03  | 3                              | ELH479M6R3AT2AA |
| 56000                                       | 25 x 50                  | 60                                | 5.71  | 3                              | ELH569M6R3AR6AA |
| 56000                                       | 30 x 40                  | 60                                | 5.70  | 3                              | ELH569M6R3AS4AA |
| 56000                                       | 35 x 30                  | 60                                | 5.75  | 3                              | ELH569M6R3AT2AA |
| 68000                                       | 30 x 45                  | 60                                | 6.48  | 3                              | ELH689M6R3AS5AA |
| 68000                                       | 35 x 35                  | 60                                | 6.42  | 3                              | ELH689M6R3AT3AA |
| 82000                                       | 30 x 50                  | 60                                | 7.32  | 3                              | ELH829M6R3AS6AA |
| 82000                                       | 35 x 40                  | 60                                | 7.29  | 3                              | ELH829M6R3AT4AA |
| 100000                                      | 35 x 45                  | 60                                | 8.31  | 3                              | ELH10KM6R3AT5AA |
| 120000                                      | 35 x 50                  | 60                                | 8.60  | 3                              | ELH12KM6R3AT6AA |

| 10 Vdc Rated voltage - 13 Vdc Surge voltage |                          |                                   |   |                                |                 |
|---|--------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 12000                                       | 22 x 25                  | 50                                | 2.40  | 2.4                            | ELH129M010AQ1AA |
| 15000                                       | 22 x 30                  | 50                                | 2.75  | 3                              | ELH159M010AQ2AA |
| 15000                                       | 25 x 25                  | 50                                | 2.75  | 3                              | ELH159M010AR1AA |
| 18000                                       | 22 x 35                  | 50                                | 3.15  | 3                              | ELH189M010AQ3AA |
| 18000                                       | 25 x 25                  | 50                                | 3.05  | 3                              | ELH189M010AR1AA |
| 22000                                       | 22 x 40                  | 50                                | 3.55  | 3                              | ELH229M010AQ4AA |
| 22000                                       | 25 x 30                  | 50                                | 3.50  | 3                              | ELH229M010AR2AA |
| 22000                                       | 30 x 25                  | 50                                | 3.55  | 3                              | ELH229M010AS1AA |
| 27000                                       | 22 x 45                  | 50                                | 4.05  | 3                              | ELH279M010AQ5AA |
| 27000                                       | 25 x 35                  | 50                                | 4.00  | 3                              | ELH279M010AR3AA |
| 27000                                       | 30 x 30                  | 50                                | 4.05  | 3                              | ELH279M010AS2AA |
| 33000                                       | 22 x 50                  | 50                                | 4.60  | 3                              | ELH339M010AQ6AA |
| 33000                                       | 25 x 40                  | 50                                | 4.55  | 3                              | ELH339M010AR4AA |
| 33000                                       | 30 x 30                  | 50                                | 4.50  | 3                              | ELH339M010AS2AA |
| 33000                                       | 35 x 25                  | 50                                | 4.50  | 3                              | ELH339M010AT1AA |
| 39000                                       | 25 x 45                  | 50                                | 5.10  | 3                              | ELH399M010AR5AA |
| 39000                                       | 30 x 35                  | 50                                | 5.05  | 3                              | ELH399M010AS3AA |
| 39000                                       | 35 x 30                  | 50                                | 5.05  | 3                              | ELH399M010AT2AA |
| 47000                                       | 25 x 50                  | 50                                | 5.75  | 3                              | ELH479M010AR6AA |
| 47000                                       | 30 x 40                  | 50                                | 5.70  | 3                              | ELH479M010AS4AA |
| 47000                                       | 35 x 30                  | 50                                | 5.65  | 3                              | ELH479M010AT2AA |
| 56000                                       | 30 x 45                  | 50                                | 6.45  | 3                              | ELH569M010AS5AA |
| 56000                                       | 35 x 35                  | 50                                | 6.40  | 3                              | ELH569M010AT3AA |
| 68000                                       | 30 x 50                  | 50                                | 7.05  | 3                              | ELH689M010AS6AA |
| 68000                                       | 35 x 40                  | 50                                | 7.10  | 3                              | ELH689M010AT4AA |
| 82000                                       | 35 x 50                  | 50                                | 7.50  | 3                              | ELH829M010AT6AA |

| 16 Vdc Rated voltage - 20 Vdc Surge voltage |                          |                                   |   |                                |                 |
|---|--------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 8200  | 22 x 25                  | 40                                | 2.60  | 2.6                            | ELH828M016AQ1AA |
| 10000                                       | 22 x 30                  | 40                                | 2.70  | 3                              | ELH109M016AQ2AA |
| 10000                                       | 25 x 25                  | 40                                | 2.75  | 3                              | ELH109M016AR1AA |
| 12000                                       | 22 x 30                  | 40                                | 2.90  | 3                              | ELH129M016AQ2AA |
| 12000                                       | 25 x 25                  | 40                                | 2.95  | 3                              | ELH129M016AR1AA |
| 15000                                       | 22 x 35                  | 40                                | 3.30  | 3                              | ELH159M016AQ3AA |
| 15000                                       | 25 x 30                  | 40                                | 3.45  | 3                              | ELH159M016AR2AA |
| 15000                                       | 30 x 25                  | 40                                | 3.50  | 3                              | ELH159M016AS1AA |
| 18000                                       | 22 x 40                  | 40                                | 3.70  | 3                              | ELH189M016AQ4AA |
| 18000                                       | 25 x 35                  | 40                                | 3.75  | 3                              | ELH189M016AR3AA |
| 18000                                       | 30 x 30                  | 40                                | 3.80  | 3                              | ELH189M016AS2AA |
| 22000                                       | 22 x 50                  | 40                                | 4.35  | 3                              | ELH229M016AQ6AA |
| 22000                                       | 25 x 40                  | 40                                | 4.30  | 3                              | ELH229M016AR4AA |
| 22000                                       | 30 x 30                  | 40                                | 4.25  | 3                              | ELH229M016AS2AA |
| 22000                                       | 35 x 25                  | 40                                | 4.20  | 3                              | ELH229M016AT1AA |
| 27000                                       | 25 x 45                  | 40                                | 4.70  | 3                              | ELH279M016AR5AA |
| 27000                                       | 30 x 35                  | 40                                | 4.65  | 3                              | ELH279M016AS3AA |
| 27000                                       | 35 x 30                  | 40                                | 4.65  | 3                              | ELH279M016AT2AA |
| 33000                                       | 30 x 40                  | 40                                | 5.35  | 3                              | ELH339M016AS4AA |
| 33000                                       | 35 x 30                  | 40                                | 5.40  | 3                              | ELH339M016AT2AA |
| 39000                                       | 30 x 45                  | 40                                | 6.00  | 3                              | ELH399M016AS5AA |
| 39000                                       | 35 x 35                  | 40                                | 5.95  | 3                              | ELH399M016AT3AA |
| 47000                                       | 30 x 50                  | 40                                | 6.80  | 3                              | ELH479M016AS6AA |
| 47000                                       | 35 x 40                  | 40                                | 6.75  | 3                              | ELH479M016AT4AA |
| 56000                                       | 35 x 45                  | 40                                | 7.60  | 3                              | ELH569M016AT5AA |
| 68000                                       | 35 x 50                  | 40                                | 8.00  | 3                              | ELH689M016AT6AA |

| 25 Vdc Rated voltage - 32 Vdc Surge voltage |                          |                                   |   |                                |                 |
|---|--------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 5600  | 22 x 25                  | 25                                | 2.20  | 2.8                            | ELH568M025AQ1AA |
| 6800  | 22 x 30                  | 25                                | 2.40  | 3                              | ELH688M025AQ2AA |
| 6800  | 25 x 25                  | 25                                | 2.45  | 3                              | ELH688M025AR1AA |
| 8200  | 22 x 35                  | 25                                | 2.70  | 3                              | ELH828M025AQ3AA |
| 8200  | 25 x 25                  | 25                                | 2.70  | 3                              | ELH828M025AR1AA |
| 10000                                       | 22 x 40                  | 25                                | 3.10  | 3                              | ELH109M025AQ4AA |
| 10000                                       | 25 x 30                  | 25                                | 3.15  | 3                              | ELH109M025AR2AA |
| 10000                                       | 30 x 25                  | 25                                | 3.20  | 3                              | ELH109M025AS1AA |
| 12000                                       | 22 x 45                  | 25                                | 3.50  | 3                              | ELH129M025AQ5AA |
| 12000                                       | 25 x 35                  | 25                                | 3.45  | 3                              | ELH129M025AR3AA |
| 12000                                       | 30 x 30                  | 25                                | 3.50  | 3                              | ELH129M025AS2AA |
| 12000                                       | 35 x 25                  | 25                                | 3.55  | 3                              | ELH129M025AT1AA |
| 15000                                       | 22 x 50                  | 25                                | 4.00  | 3                              | ELH159M025AQ6AA |
| 15000                                       | 25 x 40                  | 25                                | 3.95  | 3                              | ELH159M025AR4AA |
| 15000                                       | 30 x 35                  | 25                                | 4.00  | 3                              | ELH159M025AS3AA |
| 15000                                       | 35 x 30                  | 25                                | 4.05  | 3                              | ELH159M025AT2AA |
| 18000                                       | 25 x 45                  | 25                                | 4.45  | 3                              | ELH189M025AR5AA |
| 18000                                       | 30 x 35                  | 25                                | 4.45  | 3                              | ELH189M025AS3AA |
| 18000                                       | 35 x 30                  | 25                                | 4.60  | 3                              | ELH189M025AT2AA |
| 22000                                       | 30 x 40                  | 25                                | 5.20  | 3                              | ELH229M025AS4AA |
| 22000                                       | 35 x 35                  | 25                                | 5.15  | 3                              | ELH229M025AT3AA |
| 27000                                       | 30 x 45                  | 25                                | 5.95  | 3                              | ELH279M025AS5AA |
| 27000                                       | 35 x 40                  | 25                                | 5.90  | 3                              | ELH279M025AT4AA |
| 33000                                       | 30 x 50                  | 25                                | 6.70  | 3                              | ELH339M025AS6AA |
| 33000                                       | 35 x 45                  | 25                                | 6.75  | 3                              | ELH339M025AT5AA |
| 39000                                       | 35 x 50                  | 25                                | 7.55  | 3                              | ELH399M025AT6AA |

For capacitor whose capacitance exceeds 1000 µF, the value of D.F. (%) is increased by 2% for every addition of 1000 µF.

\* Only for Ø ≥ 35 mm and 4 pin terminals, replace ELH with EHD.

**SNAP-IN TERMINALS - General purpose 85°C / 2000 h**

| 35 Vdc Rated voltage - 44 Vdc Surge voltage |                             |                                   |   |                                |                 |
|---|-----------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case<br>size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 3900  | 22 x 25                     | 25                                | 2.20  | 2.7                            | ELH388M035AQ1AA |
| 4700  | 22 x 30                     | 25                                | 2.40  | 3                              | ELH478M035AQ2AA |
| 4700  | 25 x 25                     | 25                                | 2.40  | 3                              | ELH478M035AR1AA |
| 5600  | 22 x 35                     | 25                                | 2.75  | 3                              | ELH568M035AQ3AA |
| 5600  | 25 x 25                     | 25                                | 2.75  | 3                              | ELH568M035AR1AA |
| 6800  | 22 x 40                     | 25                                | 2.85  | 3                              | ELH688M035AQ4AA |
| 6800  | 25 x 30                     | 25                                | 2.85  | 3                              | ELH688M035AR2AA |
| 6800  | 30 x 25                     | 25                                | 2.90  | 3                              | ELH688M035AS1AA |
| 8200  | 22 x 45                     | 25                                | 3.15  | 3                              | ELH828M035AQ5AA |
| 8200  | 25 x 35                     | 25                                | 3.10  | 3                              | ELH828M035AR3AA |
| 8200  | 30 x 30                     | 25                                | 3.15  | 3                              | ELH828M035AS2AA |
| 10000                                       | 22 x 50                     | 25                                | 3.55  | 3                              | ELH109M035AQ6AA |
| 10000                                       | 25 x 40                     | 25                                | 3.50  | 3                              | ELH109M035AR4AA |
| 10000                                       | 30 x 30                     | 25                                | 3.45  | 3                              | ELH109M035AS2AA |
| 10000                                       | 35 x 25                     | 25                                | 3.40  | 3                              | ELH109M035AT1AA |
| 12000                                       | 25 x 45                     | 25                                | 3.95  | 3                              | ELH129M035AR5AA |
| 12000                                       | 30 x 35                     | 25                                | 4.00  | 3                              | ELH129M035AS3AA |
| 12000                                       | 35 x 30                     | 25                                | 4.05  | 3                              | ELH129M035AT2AA |
| 15000                                       | 25 x 50                     | 25                                | 4.95  | 3                              | ELH159M035AR6AA |
| 15000                                       | 30 x 40                     | 25                                | 4.95  | 3                              | ELH159M035AS4AA |
| 15000                                       | 35 x 35                     | 25                                | 5.00  | 3                              | ELH159M035AT3AA |
| 18000                                       | 30 x 45                     | 25                                | 5.50  | 3                              | ELH189M035AS5AA |
| 18000                                       | 35 x 40                     | 25                                | 5.55  | 3                              | ELH189M035AT4AA |
| 22000                                       | 30 x 50                     | 25                                | 6.00  | 3                              | ELH229M035AS6AA |
| 22000                                       | 35 x 45                     | 25                                | 6.05  | 3                              | ELH229M035AT5AA |
| 27000                                       | 35 x 50                     | 25                                | 6.90  | 3                              | ELH279M035AT6AA |

| 50 Vdc Rated voltage - 63 Vdc Surge voltage |                             |                                   |   |                                |                 |
|---|-----------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case<br>size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 2200  | 22 x 25                     | 20                                | 1.90  | 2.2                            | ELH228M050AQ1AA |
| 2700  | 22 x 30                     | 20                                | 2.10  | 2.7                            | ELH278M050AQ2AA |
| 2700  | 25 x 25                     | 20                                | 2.20  | 2.7                            | ELH278M050AR1AA |
| 3300  | 22 x 30                     | 20                                | 2.35  | 3                              | ELH338M050AQ2AA |
| 3300  | 25 x 25                     | 20                                | 2.35  | 3                              | ELH338M050AR1AA |
| 3900  | 22 x 35                     | 20                                | 2.65  | 3                              | ELH398M050AQ3AA |
| 3900  | 25 x 30                     | 20                                | 2.65  | 3                              | ELH398M050AR2AA |
| 3900  | 30 x 25                     | 20                                | 2.65  | 3                              | ELH398M050AS1AA |
| 4700  | 22 x 40                     | 20                                | 3.00  | 3                              | ELH478M050AQ4AA |
| 4700  | 25 x 35                     | 20                                | 3.00  | 3                              | ELH478M050AR3AA |
| 4700  | 30 x 25                     | 20                                | 2.95  | 3                              | ELH478M050AS1AA |
| 5600  | 22 x 45                     | 20                                | 3.35  | 3                              | ELH568M050AQ5AA |
| 5600  | 25 x 40                     | 20                                | 3.35  | 3                              | ELH568M050AR4AA |
| 5600  | 30 x 30                     | 20                                | 3.35  | 3                              | ELH568M050AS2AA |
| 5600  | 35 x 25                     | 20                                | 3.40  | 3                              | ELH568M050AT1AA |
| 6800  | 22 x 50                     | 20                                | 3.80  | 3                              | ELH688M050AQ6AA |
| 6800  | 25 x 40                     | 20                                | 3.80  | 3                              | ELH688M050AR4AA |
| 6800  | 30 x 30                     | 20                                | 3.80  | 3                              | ELH688M050AS2AA |
| 6800  | 30 x 35                     | 20                                | 3.85  | 3                              | ELH688M050AS3AA |
| 6800  | 35 x 30                     | 20                                | 3.85  | 3                              | ELH688M050AT2AA |
| 8200  | 25 x 50                     | 20                                | 4.35  | 3                              | ELH828M050AR6AA |
| 8200  | 30 x 40                     | 20                                | 4.35  | 3                              | ELH828M050AS4AA |
| 8200  | 35 x 30                     | 20                                | 4.40  | 3                              | ELH828M050AT2AA |
| 10000                                       | 30 x 45                     | 20                                | 5.00  | 3                              | ELH109M050AS5AA |
| 10000                                       | 35 x 35                     | 20                                | 4.95  | 3                              | ELH109M050AT3AA |
| 12000                                       | 30 x 50                     | 20                                | 5.60  | 3                              | ELH129M050AS6AA |
| 12000                                       | 35 x 40                     | 20                                | 5.55  | 3                              | ELH129M050AT4AA |
| 15000                                       | 35 x 45                     | 20                                | 6.45  | 3                              | ELH159M050AT5AA |
| 18000                                       | 35 x 50                     | 20                                | 6.70  | 3                              | ELH189M050AT6AA |

| 63 Vdc Rated voltage - 79 Vdc Surge voltage |                             |                                   |   |                                |                 |
|---|-----------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)        | Case<br>size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 1800  | 22 x 25                     | 20                                | 1.85  | 2.3                            | ELH188M063AQ1AA |
| 2200  | 22 x 30                     | 20                                | 2.30  | 2.8                            | ELH228M063AQ2AA |
| 2200  | 25 x 25                     | 20                                | 2.30  | 2.8                            | ELH228M063AR1AA |
| 2700  | 22 x 35                     | 20                                | 2.45  | 3                              | ELH278M063AQ3AA |
| 2700  | 25 x 30                     | 20                                | 2.45  | 3                              | ELH278M063AR2AA |
| 2700  | 30 x 25                     | 20                                | 2.50  | 3                              | ELH278M063AS1AA |
| 3300  | 22 x 40                     | 20                                | 2.60  | 3                              | ELH338M063AQ4AA |
| 3300  | 25 x 30                     | 20                                | 2.65  | 3                              | ELH338M063AR2AA |
| 3300  | 30 x 25                     | 20                                | 2.70  | 3                              | ELH338M063AS1AA |
| 3900  | 22 x 45                     | 20                                | 2.95  | 3                              | ELH398M063AQ5AA |
| 3900  | 25 x 35                     | 20                                | 2.95  | 3                              | ELH398M063AR3AA |
| 3900  | 30 x 30                     | 20                                | 3.00  | 3                              | ELH398M063AS2AA |
| 4700  | 22 x 50                     | 20                                | 3.40  | 3                              | ELH478M063AQ6AA |
| 4700  | 25 x 40                     | 20                                | 3.35  | 3                              | ELH478M063AR4AA |
| 4700  | 30 x 30                     | 20                                | 3.35  | 3                              | ELH478M063AS2AA |
| 4700  | 35 x 25                     | 20                                | 3.40  | 3                              | ELH478M063AT1AA |
| 5600  | 25 x 40                     | 20                                | 3.70  | 3                              | ELH568M063AR4AA |
| 5600  | 25 x 45                     | 20                                | 3.70  | 3                              | ELH568M063AR5AA |
| 5600  | 30 x 35                     | 20                                | 3.75  | 3                              | ELH568M063AS3AA |
| 5600  | 35 x 30                     | 20                                | 3.75  | 3                              | ELH568M063AT2AA |
| 6800  | 30 x 40                     | 20                                | 4.25  | 3                              | ELH688M063AS4AA |
| 6800  | 35 x 30                     | 20                                | 4.20  | 3                              | ELH688M063AT2AA |
| 8200  | 30 x 45                     | 20                                | 4.80  | 3                              | ELH828M063AS5AA |
| 8200  | 35 x 35                     | 20                                | 4.80  | 3                              | ELH828M063AT3AA |
| 10000                                       | 30 x 50                     | 20                                | 5.50  | 3                              | ELH109M063AS6AA |
| 10000                                       | 35 x 40                     | 20                                | 5.45  | 3                              | ELH109M063AT4AA |
| 12000                                       | 35 x 45                     | 20                                | 6.20  | 3                              | ELH129M063AT5AA |

| 80 Vdc Rated voltage - 100 Vdc Surge voltage |                             |                                   |   |                                |                 |
|--|-----------------------------|-----------------------------------|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>(µF)         | Case<br>size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tgδ %) | R.C.<br>120 Hz<br>85°C<br>(A <sub>rms</sub> ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 1200   | 22 x 25                     | 20                                | 1.65  | 1.9                            | ELH128M080AQ1AA |
| 1500   | 22 x 30                     | 20                                | 1.90  | 2.4                            | ELH158M080AQ2AA |
| 1500   | 25 x 25                     | 20                                | 1.90  | 2.4                            | ELH158M080AR1AA |
| 1800   | 22 x 35                     | 20                                | 2.20  | 2.9                            | ELH188M080AQ3AA |
| 1800   | 25 x 30                     | 20                                | 2.20  | 2.9                            | ELH188M080AR2AA |
| 1800   | 30 x 25                     | 20                                | 2.20  | 2.9                            | ELH188M080AS1AA |
| 2200   | 22 x 40                     | 20                                | 2.45  | 3                              | ELH228M080AQ4AA |
| 2200   | 25 x 30                     | 20                                | 2.45  | 3                              | ELH228M080AR2AA |
| 2200   | 30 x 25                     | 20                                | 2.50  | 3                              | ELH228M080AS1AA |
| 2700   | 22 x 45                     | 20                                | 2.80  | 3                              | ELH278M080AQ5AA |
| 2700   | 25 x 35                     | 20                                | 2.80  | 3                              | ELH278M080AR3AA |
| 2700   | 30 x 30                     | 20                                | 2.85  | 3                              | ELH278M080AS2AA |
| 2700   | 35 x 25                     | 20                                | 2.85  | 3                              | ELH278M080AT1AA |
| 3300   | 22 x 50                     | 20                                | 3.15  | 3                              | ELH338M080AQ6AA |
| 3300   | 25 x 40                     | 20                                | 3.20  | 3                              | ELH338M080AR4AA |
| 3300   | 30 x 30                     | 20                                | 3.20  | 3                              | ELH338M080AS2AA |
| 3300   | 35 x 25                     | 20                                | 3.20  | 3                              | ELH338M080AT1AA |
| 3900   | 25 x 45                     | 20                                | 3.60  | 3                              | ELH398M080AR5AA |
| 3900   | 30 x 35                     | 20                                | 3.60  | 3                              | ELH398M080AS3AA |
| 3900   | 35 x 30                     | 20                                | 3.60  | 3                              | ELH398M080AT2AA |
| 4700   | 25 x 50                     | 20                                | 4.05  | 3                              | ELH478M080AR6AA |
| 4700   | 30 x 40                     | 20                                | 4.05  | 3                              | ELH478M080AS4AA |
| 4700   | 35 x 35                     | 20                                | 4.10  | 3                              | ELH478M080AT3AA |
| 5600   | 30 x 45                     | 20                                | 4.55  | 3                              | ELH568M080AS5AA |
| 5600   | 35 x 35                     | 20                                | 4.50  | 3                              | ELH568M080AT3AA |
| 6800   | 30 x 50                     | 20                                | 5.15  | 3                              | ELH688M080AS6AA |
| 6800   | 35 x 40                     | 20                                | 5.15  | 3                              | ELH688M080AT4AA |
| 8200   | 35 x 45                     | 20                                | 5.85  | 3                              | ELH828M080AT5AA |
| 10000  | 35 x 50                     | 20                                | 6.60  | 3                              | ELH109M080AT6AA |

For capacitor whose capacitance exceeds 1000 µF, the value of D.F. (%) is increased by 2% for every addition of 1000 µF.

\* Only for Ø ≥ 35 mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| 100 Vdc Rated voltage - 125 Vdc Surge voltage |                             |   |   |                                |                 |
|---|-----------------------------|---|---|--------------------------------|-----------------|
| Rated cap.<br>120 Hz<br>20°C<br>( $\mu$ F)    | Case<br>size<br>DxL<br>(mm) | D.F.<br>120 Hz<br>25°C<br>(tg $\delta$ %) | R.C.<br>120 Hz<br>85°C<br>( $A_{rms}$ ) | L.C.<br>20°C<br>5 min.<br>(mA) | P/N*            |
| 820   | 22 x 25                     | 15  | 1.85                                    | 1.6                            | ELH827M100AQ1AA |
| 1000  | 22 x 30                     | 15  | 2.10                                    | 2                              | ELH108M100AQ2AA |
| 1000  | 25 x 25                     | 15  | 2.10                                    | 2                              | ELH108M100AR1AA |
| 1200  | 22 x 35                     | 15  | 2.40                                    | 2.4                            | ELH128M100AQ3AA |
| 1200  | 25 x 30                     | 15  | 2.45                                    | 2.4                            | ELH128M100AR2AA |
| 1500  | 22 x 40                     | 15  | 2.70                                    | 3                              | ELH158M100AQ4AA |
| 1500  | 25 x 30                     | 15  | 2.75                                    | 3                              | ELH158M100AR2AA |
| 1500  | 30 x 25                     | 15  | 2.75                                    | 3                              | ELH158M100AS1AA |
| 1800  | 22 x 45                     | 15  | 3.10                                    | 3                              | ELH188M100AQ5AA |
| 1800  | 25 x 35                     | 15  | 3.15                                    | 3                              | ELH188M100AR3AA |
| 1800  | 30 x 30                     | 15  | 3.15                                    | 3                              | ELH188M100AS2AA |
| 1800  | 35 x 25                     | 15  | 3.15                                    | 3                              | ELH188M100AT1AA |
| 2200  | 22 x 50                     | 15  | 3.50                                    | 3                              | ELH228M100AQ6AA |
| 2200  | 25 x 40                     | 15  | 3.55                                    | 3                              | ELH228M100AR4AA |
| 2200  | 30 x 30                     | 15  | 3.55                                    | 3                              | ELH228M100AS2AA |
| 2200  | 35 x 25                     | 15  | 3.60                                    | 3                              | ELH228M100AT1AA |
| 2700  | 25 x 45                     | 15  | 4.10                                    | 3                              | ELH278M100AR5AA |
| 2700  | 30 x 35                     | 15  | 4.05                                    | 3                              | ELH278M100AS3AA |
| 2700  | 35 x 30                     | 15  | 4.05                                    | 3                              | ELH278M100AT2AA |
| 3300  | 25 x 50                     | 15  | 4.50                                    | 3                              | ELH338M100AR6AA |
| 3300  | 30 x 40                     | 15  | 4.55                                    | 3                              | ELH338M100AS4AA |
| 3300  | 35 x 30                     | 15  | 4.50                                    | 3                              | ELH338M100AT2AA |
| 3900  | 30 x 45                     | 15  | 5.15                                    | 3                              | ELH398M100AS5AA |
| 3900  | 35 x 35                     | 15  | 5.10                                    | 3                              | ELH398M100AT3AA |
| 4700  | 35 x 40                     | 15  | 5.75                                    | 3                              | ELH478M100AT4AA |
| 5600  | 35 x 50                     | 15  | 6.20                                    | 3                              | ELH568M100AT6AA |

For capacitor whose capacitance exceeds 1000  $\mu$ F, the value of D.F. (%) is increased by 2% for every addition of 1000  $\mu$ F.

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>(µF) | Case size<br>DxL<br>(mm) | 160 Vdc Rated voltage - 200 Vdc Surge voltage |                                  |  | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|-----------------------------------|--------------------------|---|----------------------------------|--|-----------------------------|-----------------|
|                                   |                          | D.F.<br>120 Hz 25°C<br>(tgδ %)                | E.S.R. max<br>20 kHz 25°C<br>(Ω) | R.C.<br>120 Hz 85°C<br>(A <sub>rms</sub> ) |                             |                 |
| 270                               | 22 x 25                  | 10  | 0.338                            | 1.15                                       | 0.9                         | ELH277M160AQ1AA |
| 330                               | 22 x 25                  | 10  | 0.276                            | 1.40                                       | 1                           | ELH337M160AQ1AA |
| 330                               | 25 x 20                  | 15  | 0.276                            | 1.35                                       | 1                           | ELH337M160AR7AA |
| 390                               | 22 x 25                  | 10  | 0.234                            | 1.55                                       | 1.2                         | ELH397M160AQ1AA |
| 390                               | 22 x 30                  | 10  | 0.234                            | 1.55                                       | 1.2                         | ELH397M160AQ2AA |
| 390                               | 25 x 25                  | 10  | 0.234                            | 1.55                                       | 1.2                         | ELH397M160AR1AA |
| 390                               | 30 x 25                  | 10  | 0.234                            | 1.50                                       | 1.2                         | ELH397M160AS1AA |
| 470                               | 22 x 30                  | 10  | 0.210                            | 1.75                                       | 1.5                         | ELH477M160AQ2AA |
| 470                               | 25 x 25                  | 10  | 0.212                            | 1.75                                       | 1.5                         | ELH477M160AR1AA |
| 470                               | 30 x 25                  | 10  | 0.218                            | 1.70                                       | 1.5                         | ELH477M160AS1AA |
| 560                               | 22 x 30                  | 10  | 0.178                            | 1.95                                       | 1.8                         | ELH567M160AQ2AA |
| 560                               | 25 x 30                  | 10  | 0.178                            | 1.95                                       | 1.8                         | ELH567M160AR2AA |
| 560                               | 30 x 25                  | 10  | 0.178                            | 1.90                                       | 1.8                         | ELH567M160AS1AA |
| 680                               | 22 x 40                  | 10  | 0.146                            | 2.20                                       | 2.2                         | ELH687M160AQ4AA |
| 680                               | 25 x 30                  | 10  | 0.146                            | 2.20                                       | 2.2                         | ELH687M160AR2AA |
| 680                               | 30 x 25                  | 10  | 0.146                            | 2.15                                       | 2.2                         | ELH687M160AS1AA |
| 820                               | 22 x 45                  | 10  | 0.121                            | 2.50                                       | 2.6                         | ELH827M160AQ5AA |
| 820                               | 25 x 35                  | 10  | 0.121                            | 2.55                                       | 2.6                         | ELH827M160AR3AA |
| 820                               | 30 x 30                  | 10  | 0.121                            | 2.50                                       | 2.6                         | ELH827M160AS2AA |
| 820                               | 35 x 25                  | 15  | 0.121                            | 2.50                                       | 2.6                         | ELH827M160AT1AA |
| 1000                              | 22 x 50                  | 10  | 0.110                            | 2.85                                       | 3                           | ELH108M160AQ6AA |
| 1000                              | 25 x 40                  | 10  | 0.110                            | 2.80                                       | 3                           | ELH108M160AR4AA |
| 1000                              | 30 x 30                  | 10  | 0.118                            | 2.80                                       | 3                           | ELH108M160AS2AA |
| 1000                              | 30 x 35                  | 10  | 0.118                            | 2.80                                       | 3                           | ELH108M160AS3AA |
| 1000                              | 35 x 25                  | 15  | 0.118                            | 2.80                                       | 3                           | ELH108M160AT1AA |
| 1200                              | 25 x 45                  | 10  | 0.100                            | 3.15                                       | 3                           | ELH128M160AR5AA |
| 1200                              | 30 x 35                  | 10  | 0.110                            | 3.15                                       | 3                           | ELH128M160AS3AA |
| 1200                              | 35 x 30                  | 15  | 0.115                            | 3.20                                       | 3                           | ELH128M160AT2AA |
| 1500                              | 30 x 40                  | 10  | 0.092                            | 3.75                                       | 3                           | ELH158M160AS4AA |
| 1500                              | 30 x 45                  | 10  | 0.092                            | 3.75                                       | 3                           | ELH158M160AS5AA |
| 1500                              | 35 x 30                  | 15  | 0.092                            | 3.70                                       | 3                           | ELH158M160AT2AA |
| 1500                              | 35 x 35                  | 15  | 0.092                            | 3.70                                       | 3                           | ELH158M160AT3AA |
| 1800                              | 30 x 45                  | 10  | 0.085                            | 4.20                                       | 3                           | ELH188M160AS5AA |
| 1800                              | 30 x 50                  | 10  | 0.085                            | 4.20                                       | 3                           | ELH188M160AS6AA |
| 1800                              | 35 x 35                  | 15  | 0.085                            | 4.20                                       | 3                           | ELH188M160AT3AA |
| 1800                              | 35 x 40                  | 15  | 0.085                            | 4.20                                       | 3                           | ELH188M160AT4AA |
| 2200                              | 35 x 40                  | 15  | 0.075                            | 4.60                                       | 3                           | ELH228M160AT4AA |
| 2200                              | 35 x 45                  | 15  | 0.075                            | 4.80                                       | 3                           | ELH228M160AT5AA |
| 2700                              | 35 x 50                  | 15  | 0.060                            | 5.45                                       | 3                           | ELH278M160AT6AA |

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>(μF) | Case size<br>DxL<br>(mm) | 180 Vdc Rated voltage - 225 Vdc Surge voltage |                                  |  | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|-----------------------------------|--------------------------|---|----------------------------------|--|-----------------------------|-----------------|
|                                   |                          | D.F.<br>120 Hz 25°C<br>(tgδ %)                | E.S.R. max<br>20 kHz 25°C<br>(Ω) | R.C.<br>120 Hz 85°C<br>(A <sub>rms</sub> ) |                             |                 |
| 180                               | 22 x 20                  | 15  | 0.380                            | 1.00                                       | 0.6                         | ELH187M180AQ7AA |
| 220                               | 22 x 25                  | 10  | 0.350                            | 1.10                                       | 0.8                         | ELH227M180AQ1AA |
| 270                               | 22 x 25                  | 10  | 0.270                            | 1.25                                       | 1                           | ELH277M180AQ1AA |
| 270                               | 25 x 20                  | 15  | 0.270                            | 1.25                                       | 1                           | ELH277M180AR7AA |
| 330                               | 22 x 25                  | 10  | 0.240                            | 1.40                                       | 1.2                         | ELH337M180AQ1AA |
| 330                               | 22 x 30                  | 10  | 0.240                            | 1.40                                       | 1.2                         | ELH337M180AQ2AA |
| 330                               | 25 x 25                  | 10  | 0.240                            | 1.40                                       | 1.2                         | ELH337M180AR1AA |
| 390                               | 22 x 30                  | 10  | 0.195                            | 1.60                                       | 1.4                         | ELH397M180AQ2AA |
| 390                               | 25 x 25                  | 10  | 0.195                            | 1.60                                       | 1.4                         | ELH397M180AR1AA |
| 470                               | 22 x 35                  | 10  | 0.175                            | 1.80                                       | 1.7                         | ELH477M180AQ3AA |
| 470                               | 25 x 30                  | 10  | 0.175                            | 1.80                                       | 1.7                         | ELH477M180AR2AA |
| 470                               | 30 x 25                  | 10  | 0.175                            | 1.80                                       | 1.7                         | ELH477M180AS1AA |
| 560                               | 22 x 35                  | 10  | 0.140                            | 2.00                                       | 2                           | ELH567M180AQ3AA |
| 560                               | 22 x 40                  | 10  | 0.140                            | 2.00                                       | 2                           | ELH567M180AQ4AA |
| 560                               | 25 x 30                  | 10  | 0.140                            | 1.95                                       | 2                           | ELH567M180AR2AA |
| 560                               | 30 x 25                  | 10  | 0.140                            | 2.00                                       | 2                           | ELH567M180AS1AA |
| 680                               | 22 x 45                  | 10  | 0.135                            | 2.25                                       | 2.4                         | ELH687M180AQ5AA |
| 680                               | 25 x 35                  | 10  | 0.135                            | 2.20                                       | 2.4                         | ELH687M180AR3AA |
| 680                               | 30 x 30                  | 10  | 0.135                            | 2.20                                       | 2.4                         | ELH687M180AS2AA |
| 680                               | 35 x 25                  | 15  | 0.135                            | 2.20                                       | 2.4                         | ELH687M180AT1AA |
| 820                               | 22 x 50                  | 10  | 0.110                            | 2.55                                       | 2.9                         | ELH827M180AQ6AA |
| 820                               | 25 x 40                  | 10  | 0.110                            | 2.55                                       | 2.9                         | ELH827M180AR4AA |
| 820                               | 30 x 30                  | 10  | 0.110                            | 2.60                                       | 2.9                         | ELH827M180AS2AA |
| 820                               | 30 x 35                  | 10  | 0.110                            | 2.60                                       | 2.9                         | ELH827M180AS3AA |
| 820                               | 35 x 25                  | 15  | 0.110                            | 2.60                                       | 2.9                         | ELH827M180AT1AA |
| 1000                              | 25 x 45                  | 10  | 0.095                            | 2.85                                       | 3                           | ELH108M180AR5AA |
| 1000                              | 30 x 35                  | 10  | 0.095                            | 2.85                                       | 3                           | ELH108M180AS3AA |
| 1000                              | 35 x 30                  | 15  | 0.095                            | 2.90                                       | 3                           | ELH108M180AT2AA |
| 1200                              | 30 x 40                  | 10  | 0.083                            | 3.25                                       | 3                           | ELH128M180AS4AA |
| 1200                              | 35 x 30                  | 15  | 0.083                            | 3.30                                       | 3                           | ELH128M180AT2AA |
| 1200                              | 35 x 35                  | 15  | 0.083                            | 3.30                                       | 3                           | ELH128M180AT3AA |
| 1500                              | 30 x 45                  | 10  | 0.072                            | 3.85                                       | 3                           | ELH158M180AS5AA |
| 1500                              | 35 x 35                  | 15  | 0.072                            | 3.80                                       | 3                           | ELH158M180AT3AA |
| 1500                              | 35 x 40                  | 15  | 0.072                            | 3.80                                       | 3                           | ELH158M180AT4AA |
| 1800                              | 35 x 40                  | 15  | 0.066                            | 4.30                                       | 3                           | ELH188M180AT4AA |
| 1800                              | 35 x 45                  | 15  | 0.066                            | 4.30                                       | 3                           | ELH188M180AT5AA |
| 2200                              | 35 x 45                  | 15  | 0.054                            | 4.90                                       | 3                           | ELH228M180AT5AA |
| 2200                              | 35 x 50                  | 15  | 0.054                            | 4.90                                       | 3                           | ELH228M180AT6AA |

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>( $\mu\text{F}$ ) | Case size<br>DxL<br>(mm) | 200 Vdc Rated voltage - 250 Vdc Surge voltage |   |   | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|--|--------------------------|---|---|---|-----------------------------|-----------------|
|  |                          | D.F.<br>120 Hz 25°C<br>( $\text{tg}\delta$ %) | E.S.R. max<br>20 kHz 25°C<br>( $\Omega$ ) | R.C.<br>120 Hz 85°C<br>( $A_{\text{rms}}$ ) |                             |                 |
| 180  | 22 x 25                  | 10  | 0.350                                     | 0.95  | 0.7                         | ELH187M200AQ1AA |
| 220  | 22 x 25                  | 10  | 0.320                                     | 1.10  | 0.9                         | ELH227M200AQ1AA |
| 270  | 22 x 25                  | 10  | 0.255                                     | 1.25  | 1.1                         | ELH277M200AQ1AA |
| 270  | 22 x 30                  | 10  | 0.255                                     | 1.25  | 1.1                         | ELH277M200AQ2AA |
| 270  | 25 x 25                  | 10  | 0.255                                     | 1.25  | 1.1                         | ELH277M200AR1AA |
| 330  | 22 x 25                  | 10  | 0.220                                     | 1.45  | 1.3                         | ELH337M200AQ1AA |
| 330  | 22 x 30                  | 10  | 0.220                                     | 1.45  | 1.3                         | ELH337M200AQ2AA |
| 330  | 25 x 25                  | 10  | 0.220                                     | 1.45  | 1.3                         | ELH337M200AR1AA |
| 390  | 22 x 30                  | 10  | 0.180                                     | 1.60  | 1.6                         | ELH397M200AQ2AA |
| 390  | 25 x 25                  | 10  | 0.180                                     | 1.55  | 1.6                         | ELH397M200AR1AA |
| 470  | 22 x 35                  | 10  | 0.150                                     | 1.80  | 1.9                         | ELH477M200AQ3AA |
| 470  | 25 x 30                  | 10  | 0.160                                     | 1.80  | 1.9                         | ELH477M200AR2AA |
| 470  | 30 x 25                  | 10  | 0.160                                     | 1.80  | 1.9                         | ELH477M200AS1AA |
| 560  | 22 x 40                  | 10  | 0.127                                     | 2.00  | 2.2                         | ELH567M200AQ4AA |
| 560  | 25 x 35                  | 10  | 0.117                                     | 2.00  | 2.2                         | ELH567M200AR3AA |
| 560  | 30 x 25                  | 10  | 0.120                                     | 2.00  | 2.2                         | ELH567M200AS1AA |
| 680  | 22 x 45                  | 10  | 0.121                                     | 2.35  | 2.7                         | ELH687M200AQ5AA |
| 680  | 25 x 35                  | 10  | 0.121                                     | 2.30  | 2.7                         | ELH687M200AR3AA |
| 680  | 30 x 30                  | 10  | 0.121                                     | 2.30  | 2.7                         | ELH687M200AS2AA |
| 680  | 35 x 25                  | 15  | 0.125                                     | 2.30  | 2.7                         | ELH687M200AT1AA |
| 820  | 25 x 40                  | 10  | 0.100                                     | 2.60  | 3                           | ELH827M200AR4AA |
| 820  | 25 x 45                  | 10  | 0.100                                     | 2.60  | 3                           | ELH827M200AR5AA |
| 820  | 30 x 30                  | 10  | 0.100                                     | 2.60  | 3                           | ELH827M200AS2AA |
| 820  | 30 x 35                  | 10  | 0.100                                     | 2.60  | 3                           | ELH827M200AS3AA |
| 820  | 35 x 30                  | 15  | 0.100                                     | 2.60  | 3                           | ELH827M200AT2AA |
| 1000   | 25 x 45                  | 10  | 0.090                                     | 3.00  | 3                           | ELH108M200AR5AA |
| 1000   | 25 x 50                  | 10  | 0.090                                     | 3.00  | 3                           | ELH108M200AR6AA |
| 1000   | 30 x 35                  | 10  | 0.090                                     | 3.05  | 3                           | ELH108M200AS3AA |
| 1000   | 30 x 40                  | 10  | 0.090                                     | 3.05  | 3                           | ELH108M200AS4AA |
| 1000   | 35 x 30                  | 15  | 0.090                                     | 3.00  | 3                           | ELH108M200AT2AA |
| 1200   | 25 x 50                  | 10  | 0.080                                     | 3.30  | 3                           | ELH128M200AR6AA |
| 1200   | 30 x 40                  | 10  | 0.080                                     | 3.30  | 3                           | ELH128M200AS4AA |
| 1200   | 30 x 45                  | 10  | 0.080                                     | 3.30  | 3                           | ELH128M200AS5AA |
| 1200   | 35 x 30                  | 15  | 0.080                                     | 3.30  | 3                           | ELH128M200AT2AA |
| 1200   | 35 x 35                  | 15  | 0.080                                     | 3.30  | 3                           | ELH128M200AT3AA |
| 1500   | 30 x 45                  | 10  | 0.072                                     | 3.80  | 3                           | ELH158M200AS5AA |
| 1500   | 30 x 50                  | 10  | 0.072                                     | 3.80  | 3                           | ELH158M200AS6AA |
| 1500   | 35 x 35                  | 15  | 0.072                                     | 3.80  | 3                           | ELH158M200AT3AA |
| 1500   | 35 x 40                  | 15  | 0.072                                     | 3.80  | 3                           | ELH158M200AT4AA |
| 1800   | 35 x 40                  | 15  | 0.060                                     | 4.35  | 3                           | ELH188M200AT4AA |
| 1800   | 35 x 45                  | 15  | 0.060                                     | 4.35  | 3                           | ELH188M200AT5AA |
| 2200   | 35 x 45                  | 15  | 0.054                                     | 4.95  | 3                           | ELH228M200AT5AA |
| 2200   | 35 x 50                  | 15  | 0.054                                     | 4.95  | 3                           | ELH228M200AT6AA |

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>(µF) | Case size<br>DxL<br>(mm) | 250 Vdc Rated voltage - 300 Vdc Surge voltage |                                  |  | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|-----------------------------------|--------------------------|---|----------------------------------|--|-----------------------------|-----------------|
|                                   |                          | D.F.<br>120 Hz 25°C<br>(tgδ %)                | E.S.R. max<br>20 kHz 25°C<br>(Ω) | R.C.<br>120 Hz 85°C<br>(A <sub>rms</sub> ) |                             |                 |
| 120                               | 22 x 20                  | 15  | 0.660                            | 0.78                                       | 0.6                         | ELH127M250AQ7AA |
| 150                               | 22 x 25                  | 10  | 0.485                            | 0.90                                       | 0.7                         | ELH157M250AQ1AA |
| 180                               | 22 x 25                  | 10  | 0.365                            | 1.05                                       | 0.9                         | ELH187M250AQ1AA |
| 180                               | 25 x 20                  | 15  | 0.365                            | 1.00                                       | 0.9                         | ELH187M250AR7AA |
| 220                               | 22 x 30                  | 10  | 0.298                            | 1.15                                       | 1.1                         | ELH227M250AQ2AA |
| 220                               | 22 x 35                  | 10  | 0.298                            | 1.15                                       | 1.1                         | ELH227M250AQ3AA |
| 220                               | 25 x 25                  | 10  | 0.298                            | 1.15                                       | 1.1                         | ELH227M250AR1AA |
| 270                               | 22 x 30                  | 10  | 0.245                            | 1.30                                       | 1.3                         | ELH277M250AQ2AA |
| 270                               | 25 x 25                  | 10  | 0.245                            | 1.30                                       | 1.3                         | ELH277M250AR1AA |
| 330                               | 22 x 30                  | 10  | 0.219                            | 1.50                                       | 1.6                         | ELH337M250AQ2AA |
| 330                               | 22 x 35                  | 10  | 0.219                            | 1.50                                       | 1.6                         | ELH337M250AQ3AA |
| 330                               | 25 x 25                  | 10  | 0.219                            | 1.50                                       | 1.6                         | ELH337M250AR1AA |
| 330                               | 25 x 30                  | 10  | 0.219                            | 1.50                                       | 1.6                         | ELH337M250AR2AA |
| 330                               | 30 x 25                  | 10  | 0.219                            | 1.50                                       | 1.6                         | ELH337M250AS1AA |
| 390                               | 22 x 35                  | 10  | 0.186                            | 1.65                                       | 1.9                         | ELH397M250AQ3AA |
| 390                               | 22 x 40                  | 10  | 0.186                            | 1.65                                       | 1.9                         | ELH397M250AQ4AA |
| 390                               | 25 x 35                  | 10  | 0.186                            | 1.65                                       | 1.9                         | ELH397M250AR3AA |
| 390                               | 30 x 25                  | 10  | 0.186                            | 1.65                                       | 1.9                         | ELH397M250AS1AA |
| 470                               | 22 x 40                  | 10  | 0.155                            | 1.85                                       | 2.3                         | ELH477M250AQ4AA |
| 470                               | 22 x 45                  | 10  | 0.155                            | 1.85                                       | 2.3                         | ELH477M250AQ5AA |
| 470                               | 25 x 35                  | 10  | 0.155                            | 1.85                                       | 2.3                         | ELH477M250AR3AA |
| 470                               | 30 x 30                  | 10  | 0.155                            | 1.90                                       | 2.3                         | ELH477M250AS2AA |
| 470                               | 35 x 25                  | 15  | 0.155                            | 1.90                                       | 2.3                         | ELH477M250AT1AA |
| 560                               | 22 x 45                  | 10  | 0.131                            | 2.10                                       | 2.8                         | ELH567M250AQ5AA |
| 560                               | 22 x 50                  | 10  | 0.131                            | 2.10                                       | 2.8                         | ELH567M250AQ6AA |
| 560                               | 25 x 40                  | 10  | 0.131                            | 2.10                                       | 2.8                         | ELH567M250AR4AA |
| 560                               | 30 x 30                  | 10  | 0.131                            | 2.10                                       | 2.8                         | ELH567M250AS2AA |
| 560                               | 30 x 35                  | 10  | 0.131                            | 2.10                                       | 2.8                         | ELH567M250AS3AA |
| 560                               | 35 x 25                  | 15  | 0.131                            | 2.10                                       | 2.8                         | ELH567M250AT1AA |
| 680                               | 25 x 45                  | 10  | 0.110                            | 2.45                                       | 3                           | ELH687M250AR5AA |
| 680                               | 25 x 50                  | 10  | 0.110                            | 2.45                                       | 3                           | ELH687M250AR6AA |
| 680                               | 30 x 35                  | 10  | 0.110                            | 2.45                                       | 3                           | ELH687M250AS3AA |
| 680                               | 30 x 40                  | 10  | 0.110                            | 2.45                                       | 3                           | ELH687M250AS4AA |
| 680                               | 35 x 25                  | 15  | 0.110                            | 2.45                                       | 3                           | ELH687M250AT1AA |
| 680                               | 35 x 30                  | 15  | 0.110                            | 2.45                                       | 3                           | ELH687M250AT2AA |
| 820                               | 30 x 35                  | 10  | 0.108                            | 2.75                                       | 3                           | ELH827M250AS3AA |
| 820                               | 30 x 45                  | 10  | 0.108                            | 2.75                                       | 3                           | ELH827M250AS5AA |
| 820                               | 35 x 30                  | 15  | 0.108                            | 2.75                                       | 3                           | ELH827M250AT2AA |
| 820                               | 35 x 35                  | 15  | 0.108                            | 2.75                                       | 3                           | ELH827M250AT3AA |
| 1000                              | 30 x 45                  | 10  | 0.093                            | 3.30                                       | 3                           | ELH108M250AS5AA |
| 1000                              | 30 x 50                  | 10  | 0.093                            | 3.30                                       | 3                           | ELH108M250AS6AA |
| 1000                              | 35 x 35                  | 15  | 0.093                            | 3.30                                       | 3                           | ELH108M250AT3AA |
| 1000                              | 35 x 40                  | 15  | 0.093                            | 3.30                                       | 3                           | ELH108M250AT4AA |
| 1200                              | 35 x 40                  | 15  | 0.075                            | 3.55                                       | 3                           | ELH128M250AT4AA |
| 1200                              | 35 x 45                  | 15  | 0.075                            | 3.55                                       | 3                           | ELH128M250AT5AA |
| 1500                              | 35 x 45                  | 15  | 0.072                            | 4.05                                       | 3                           | ELH158M250AT5AA |
| 1500                              | 35 x 50                  | 15  | 0.072                            | 4.05                                       | 3                           | ELH158M250AT6AA |

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>(µF) | Case size<br>DxL<br>(mm) | 350 Vdc Rated voltage - 400 Vdc Surge voltage |                                  |  | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|-----------------------------------|--------------------------|---|----------------------------------|--|-----------------------------|-----------------|
|                                   |                          | D.F.<br>120 Hz 25°C<br>(tgδ %)                | E.S.R. max<br>20 kHz 25°C<br>(Ω) | R.C.<br>120 Hz 85°C<br>(A <sub>rms</sub> ) |                             |                 |
| 68                                | 22 x 20                  | 15  | 0.890                            | 0.55                                       | 0.5                         | ELH686M350AQ7AA |
| 82                                | 22 x 25                  | 15  | 0.720                            | 0.65                                       | 0.6                         | ELH826M350AQ1AA |
| 82                                | 25 x 20                  | 15  | 0.720                            | 0.65                                       | 0.6                         | ELH826M350AR7AA |
| 100                               | 22 x 30                  | 15  | 0.595                            | 0.90                                       | 0.7                         | ELH107M350AQ2AA |
| 100                               | 25 x 20                  | 15  | 0.595                            | 0.90                                       | 0.7                         | ELH107M350AR7AA |
| 120                               | 22 x 30                  | 15  | 0.510                            | 1.00                                       | 0.8                         | ELH127M350AQ2AA |
| 120                               | 25 x 25                  | 15  | 0.510                            | 1.00                                       | 0.8                         | ELH127M350AR1AA |
| 150                               | 22 x 35                  | 15  | 0.412                            | 1.15                                       | 1                           | ELH157M350AQ3AA |
| 150                               | 25 x 30                  | 15  | 0.412                            | 1.15                                       | 1                           | ELH157M350AR2AA |
| 150                               | 30 x 25                  | 15  | 0.412                            | 1.15                                       | 1                           | ELH157M350AS1AA |
| 180                               | 22 x 40                  | 15  | 0.343                            | 1.30                                       | 1.3                         | ELH187M350AQ4AA |
| 180                               | 25 x 30                  | 15  | 0.343                            | 1.25                                       | 1.3                         | ELH187M350AR2AA |
| 180                               | 30 x 30                  | 15  | 0.343                            | 1.25                                       | 1.3                         | ELH187M350AS2AA |
| 220                               | 22 x 45                  | 15  | 0.285                            | 1.45                                       | 1.5                         | ELH227M350AQ5AA |
| 220                               | 25 x 35                  | 15  | 0.285                            | 1.45                                       | 1.5                         | ELH227M350AR3AA |
| 220                               | 30 x 30                  | 15  | 0.285                            | 1.45                                       | 1.5                         | ELH227M350AS2AA |
| 220                               | 35 x 25                  | 15  | 0.285                            | 1.45                                       | 1.5                         | ELH227M350AT1AA |
| 270                               | 25 x 40                  | 15  | 0.245                            | 1.65                                       | 1.9                         | ELH277M350AR4AA |
| 270                               | 30 x 35                  | 15  | 0.245                            | 1.65                                       | 1.9                         | ELH277M350AS3AA |
| 270                               | 35 x 25                  | 15  | 0.245                            | 1.65                                       | 1.9                         | ELH277M350AT1AA |
| 330                               | 25 x 50                  | 15  | 0.210                            | 1.80                                       | 2.3                         | ELH337M350AR6AA |
| 330                               | 30 x 40                  | 15  | 0.210                            | 1.80                                       | 2.3                         | ELH337M350AS4AA |
| 330                               | 35 x 30                  | 15  | 0.210                            | 1.80                                       | 2.3                         | ELH337M350AT2AA |
| 390                               | 30 x 40                  | 15  | 0.175                            | 2.00                                       | 2.7                         | ELH397M350AS4AA |
| 390                               | 35 x 30                  | 15  | 0.175                            | 2.00                                       | 2.7                         | ELH397M350AT2AA |
| 470                               | 30 x 45                  | 15  | 0.145                            | 2.25                                       | 3                           | ELH477M350AS5AA |
| 470                               | 35 x 35                  | 15  | 0.145                            | 2.25                                       | 3                           | ELH477M350AT3AA |
| 560                               | 35 x 40                  | 15  | 0.108                            | 2.50                                       | 3                           | ELH567M350AT4AA |
| 680                               | 35 x 45                  | 15  | 0.105                            | 2.90                                       | 3                           | ELH687M350AT5AA |

\* Only for Ø ≥ 35 mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>( $\mu$ F) | Case size<br>DxL<br>(mm) | 400 Vdc Rated voltage - 450 Vdc Surge voltage |   |  | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|---|--------------------------|---|---|--|-----------------------------|-----------------|
|   |                          | D.F.<br>120 Hz 25°C<br>(tg $\delta$ %)        | E.S.R. max<br>20 kHz 25°C<br>( $\Omega$ ) | R.C.<br>120 Hz 85°C<br>(A <sub>rms</sub> ) |                             |                 |
| 56                                      | 22 x 20                  | 15  | 1.210                                     | 0.55                                       | 0.4                         | ELH556M400AQ7AA |
| 68                                      | 22 x 25                  | 15  | 0.852                                     | 0.60                                       | 0.5                         | ELH686M400AQ1AA |
| 68                                      | 25 x 20                  | 15  | 0.852                                     | 0.60                                       | 0.5                         | ELH686M400AR7AA |
| 82                                      | 22 x 25                  | 15  | 0.706                                     | 0.80                                       | 0.6                         | ELH826M400AQ1AA |
| 82                                      | 25 x 20                  | 15  | 0.706                                     | 0.80                                       | 0.6                         | ELH826M400AR7AA |
| 100                                     | 22 x 30                  | 15  | 0.582                                     | 0.90                                       | 0.8                         | ELH107M400AQ2AA |
| 100                                     | 25 x 25                  | 15  | 0.582                                     | 0.90                                       | 0.8                         | ELH107M400AR1AA |
| 120                                     | 22 x 35                  | 15  | 0.485                                     | 1.05                                       | 1                           | ELH127M400AQ3AA |
| 120                                     | 25 x 25                  | 15  | 0.485                                     | 1.05                                       | 1                           | ELH127M400AR1AA |
| 150                                     | 22 x 35                  | 15  | 0.388                                     | 1.15                                       | 1.2                         | ELH157M400AQ3AA |
| 150                                     | 22 x 40                  | 15  | 0.388                                     | 1.15                                       | 1.2                         | ELH157M400AQ4AA |
| 150                                     | 25 x 30                  | 15  | 0.388                                     | 1.15                                       | 1.2                         | ELH157M400AR2AA |
| 150                                     | 30 x 25                  | 15  | 0.388                                     | 1.15                                       | 1.2                         | ELH157M400AS1AA |
| 180                                     | 22 x 45                  | 15  | 0.323                                     | 1.30                                       | 1.4                         | ELH187M400AQ5AA |
| 180                                     | 25 x 35                  | 15  | 0.323                                     | 1.30                                       | 1.4                         | ELH187M400AR3AA |
| 180                                     | 30 x 30                  | 15  | 0.323                                     | 1.35                                       | 1.4                         | ELH187M400AS2AA |
| 220                                     | 22 x 50                  | 15  | 0.265                                     | 1.50                                       | 1.8                         | ELH227M400AQ6AA |
| 220                                     | 25 x 40                  | 15  | 0.265                                     | 1.50                                       | 1.8                         | ELH227M400AR4AA |
| 220                                     | 30 x 30                  | 15  | 0.265                                     | 1.50                                       | 1.8                         | ELH227M400AS2AA |
| 220                                     | 35 x 25                  | 15  | 0.265                                     | 1.50                                       | 1.8                         | ELH227M400AT1AA |
| 270                                     | 25 x 40                  | 15  | 0.242                                     | 1.65                                       | 2.2                         | ELH277M400AR4AA |
| 270                                     | 25 x 45                  | 15  | 0.242                                     | 1.65                                       | 2.2                         | ELH277M400AR5AA |
| 270                                     | 30 x 35                  | 15  | 0.242                                     | 1.65                                       | 2.2                         | ELH277M400AS3AA |
| 270                                     | 35 x 30                  | 15  | 0.242                                     | 1.65                                       | 2.2                         | ELH277M400AT2AA |
| 330                                     | 25 x 50                  | 15  | 0.195                                     | 1.90                                       | 2.6                         | ELH337M400AR6AA |
| 330                                     | 30 x 40                  | 15  | 0.195                                     | 1.90                                       | 2.6                         | ELH337M400AS4AA |
| 330                                     | 35 x 30                  | 15  | 0.195                                     | 1.85                                       | 2.6                         | ELH337M400AT2AA |
| 390                                     | 30 x 45                  | 15  | 0.165                                     | 2.15                                       | 3                           | ELH397M400AS5AA |
| 390                                     | 35 x 35                  | 15  | 0.165                                     | 2.10                                       | 3                           | ELH397M400AT3AA |
| 470                                     | 30 x 50                  | 15  | 0.130                                     | 2.40                                       | 3                           | ELH477M400AS6AA |
| 470                                     | 35 x 40                  | 15  | 0.130                                     | 2.40                                       | 3                           | ELH477M400AT4AA |
| 560                                     | 35 x 45                  | 15  | 0.115                                     | 2.70                                       | 3                           | ELH567M400AT5AA |
| 680                                     | 35 x 50                  | 15  | 0.095                                     | 2.90                                       | 3                           | ELH687M400AT6AA |

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

## SNAP-IN TERMINALS - General purpose 85°C / 2000 h

| Rated cap.<br>120 Hz 20°C<br>( $\mu$ F) | Case size<br>DxL<br>(mm) | 450 Vdc Rated voltage - 500 Vdc Surge voltage |   |                                      | L.C.<br>20°C 5 min.<br>(mA) | P/N*            |
|---|--------------------------|---|---|--------------------------------------|-----------------------------|-----------------|
|   |                          | D.F.<br>120 Hz 25°C<br>(tg $\delta$ %)        | E.S.R. max<br>20 kHz 25°C<br>( $\Omega$ ) | R.C.<br>120 Hz 85°C<br>( $A_{rms}$ ) |                             |                 |
| 47                                      | 22x25                    | 15  | 1.460                                     | 0.50                                 | 0.4                         | ELH476M450AQ1AA |
| 56                                      | 22x25                    | 15  | 1.230                                     | 0.65                                 | 0.5                         | ELH566M450AQ1AA |
| 68                                      | 22x30                    | 15  | 0.937                                     | 0.70                                 | 0.6                         | ELH686M450AQ2AA |
| 68                                      | 25x25                    | 15  | 0.937                                     | 0.70                                 | 0.6                         | ELH686M450AR1AA |
| 82                                      | 22x30                    | 15  | 0.768                                     | 0.80                                 | 0.7                         | ELH826M450AQ2AA |
| 82                                      | 25x25                    | 15  | 0.768                                     | 0.80                                 | 0.7                         | ELH826M450AR1AA |
| 100                                     | 22x35                    | 15  | 0.628                                     | 0.95                                 | 0.9                         | ELH107M450AQ3AA |
| 100                                     | 25x30                    | 15  | 0.628                                     | 0.95                                 | 0.9                         | ELH107M450AR2AA |
| 100                                     | 30x25                    | 15  | 0.628                                     | 0.95                                 | 0.9                         | ELH107M450AS1AA |
| 120                                     | 22x40                    | 15  | 0.532                                     | 1.05                                 | 1.1                         | ELH127M450AQ4AA |
| 120                                     | 25x30                    | 15  | 0.532                                     | 1.05                                 | 1.1                         | ELH127M450AR2AA |
| 120                                     | 30x25                    | 15  | 0.532                                     | 1.05                                 | 1.1                         | ELH127M450AS1AA |
| 150                                     | 22x45                    | 15  | 0.425                                     | 1.20                                 | 1.3                         | ELH157M450AQ5AA |
| 150                                     | 25x35                    | 15  | 0.425                                     | 1.20                                 | 1.3                         | ELH157M450AR3AA |
| 150                                     | 30x30                    | 15  | 0.425                                     | 1.20                                 | 1.3                         | ELH157M450AS2AA |
| 180                                     | 25x40                    | 15  | 0.354                                     | 1.35                                 | 1.6                         | ELH187M450AR4AA |
| 180                                     | 30x35                    | 15  | 0.354                                     | 1.35                                 | 1.6                         | ELH187M450AS3AA |
| 180                                     | 35x25                    | 15  | 0.354                                     | 1.35                                 | 1.6                         | ELH187M450AT1AA |
| 220                                     | 25x50                    | 15  | 0.287                                     | 1.55                                 | 2                           | ELH227M450AR6AA |
| 220                                     | 30x40                    | 15  | 0.287                                     | 1.55                                 | 2                           | ELH227M450AS4AA |
| 220                                     | 35x30                    | 15  | 0.287                                     | 1.55                                 | 2                           | ELH227M450AT2AA |
| 270                                     | 30x45                    | 15  | 0.266                                     | 1.75                                 | 2.4                         | ELH277M450AS5AA |
| 270                                     | 35x35                    | 15  | 0.266                                     | 1.70                                 | 2.4                         | ELH277M450AT3AA |
| 330                                     | 30x50                    | 15  | 0.214                                     | 2.00                                 | 3                           | ELH337M450AS6AA |
| 330                                     | 35x40                    | 15  | 0.214                                     | 2.00                                 | 3                           | ELH337M450AT4AA |
| 390                                     | 35x45                    | 15  | 0.180                                     | 2.25                                 | 3                           | ELH397M450AT5AA |
| 470                                     | 35x50                    | 15  | 0.145                                     | 2.50                                 | 3                           | ELH477M450AT6AA |
| 680                                     | 35x60                    | 15  | 0.110                                     | 2.90                                 | 3                           | ELH687M450AT8AA |

\* Only for  $\varnothing \geq 35$  mm and 4 pin terminals, replace ELH with EHD.

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.