

SNAP-IN TERMINALS - General purpose 105°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

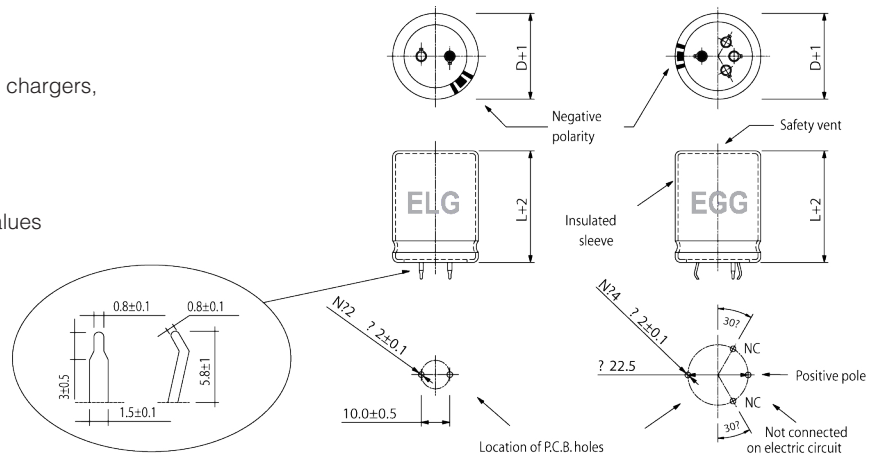
High reliability
 Low equivalent series resistance (E.S.R.).
 Different case size available for capacitance values

Marking

KEMET (previously Arcotronics) logo
 series: (ELG or EGG)
 operating temperature: (105°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
 EGG series only for $\varnothing \geq 35$ mm



Electrical characteristics

Rated voltage	6.3 to 100 Vdc	160 to 450 Vdc
Operating temperature	-40 to +105°C	-25 to +105°C
Capacitance range	560 µF to 82000µF	47µF to 2200µF.
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 C = rated capacitance (µF); V = rated voltage (Vdc) (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)	4	3	3	2	2	4	8
Z (-40°C) / Z (20°C)	15	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	0.85	0.88	1.00	1.15	1.20
from 350 to 450Vdc	0.88	0.90	1.00	1.10	1.15

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

Temperature	40°C	60°C	70°C	85°C	105°C
Multiplier factors	2.47	2.37	2.17	1.67	1.00

Test method and performance

Conditions	Load life test	Shelf life test
Temperature: Test duration: Ripple current: Voltage:	105°C 2000 hours max ripple current at 120 Hz 105°C specified in table the sum of D.C. voltage and the peak A.C. voltage must not exceed the rated voltage of capacitor.	105°C 1000 hours no ripple current applied. no voltage applied.
Performance	The following specifications will be satisfied when the capacitors will be restored at 25°C.	
Capacitance change: Dissipation factor: Leakage current:	within 20% of initial value. not exceed 200% of the initial requirement. not exceed initial requirement.	within 20% of initial value. not exceed 150% of the initial requirement. not exceed initial requirement.

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Technical data and ordering codes

6.3 Vdc Rated voltage - 8 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (µF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
12000	22 x 25	60	1.55	1.5	ELG129M6R3AQ1AA
15000	22 x 30	60	1.70	1.9	ELG159M6R3AQ2AA
15000	25 x 25	60	1.70	1.9	ELG159M6R3AR1AA
18000	22 x 30	60	1.95	2.3	ELG189M6R3AQ2AA
18000	25 x 25	60	1.95	2.3	ELG189M6R3AR1AA
22000	22 x 35	60	2.25	2.8	ELG229M6R3AQ3AA
22000	25 x 30	60	2.25	2.8	ELG229M6R3AR2AA
22000	30 x 25	60	2.30	2.8	ELG229M6R3AS1AA
27000	22 x 40	60	2.55	3	ELG279M6R3AQ4AA
27000	25 x 35	60	2.55	3	ELG279M6R3AR3AA
27000	30 x 30	60	2.55	3	ELG279M6R3AS2AA
27000	35 x 25	60	2.55	3	ELG279M6R3AT1AA
33000	22 x 45	60	2.90	3	ELG339M6R3AQ5AA
33000	25 x 40	60	2.95	3	ELG339M6R3AR4AA
33000	30 x 30	60	2.90	3	ELG339M6R3AS2AA
33000	35 x 25	60	2.95	3	ELG339M6R3AT1AA
39000	25 x 50	60	3.25	3	ELG399M6R3AR6AA
39000	30 x 35	60	3.25	3	ELG399M6R3AS3AA
39000	35 x 30	60	3.30	3	ELG399M6R3AT2AA
47000	25 x 50	60	3.70	3	ELG479M6R3AR6AA
47000	30 x 40	60	3.70	3	ELG479M6R3AS4AA
56000	30 x 45	60	4.15	3	ELG569M6R3AS5AA
56000	35 x 35	60	4.10	3	ELG569M6R3AT3AA
68000	30 x 50	60	4.70	3	ELG689M6R3AS6AA
68000	35 x 40	60	4.70	3	ELG689M6R3AT4AA
82000	35 x 45	60	5.30	3	ELG829M6R3AT5AA

10 Vdc Rated voltage - 13 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (µF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
10000	22 x 25	50	1.55	2	ELG109M010AQ1AA
12000	22 x 30	50	1.75	2.4	ELG129M010AQ2AA
15000	22 x 30	50	1.90	3	ELG159M010AQ2AA
15000	25 x 25	50	1.90	3	ELG159M010AR1AA
18000	22 x 35	50	2.20	3	ELG189M010AQ3AA
18000	25 x 30	50	2.25	3	ELG189M010AR2AA
22000	22 x 40	50	2.50	3	ELG229M010AQ4AA
22000	25 x 35	50	2.55	3	ELG229M010AR3AA
22000	30 x 25	50	2.45	3	ELG229M010AS1AA
27000	22 x 50	50	2.95	3	ELG279M010AQ6AA
27000	25 x 40	50	2.90	3	ELG279M010AR4AA
27000	30 x 30	50	2.85	3	ELG279M010AS2AA
27000	35 x 25	50	2.80	3	ELG279M010AT1AA
33000	25 x 45	50	3.30	3	ELG339M010AR5AA
33000	30 x 35	50	3.30	3	ELG339M010AS3AA
33000	35 x 30	50	3.30	3	ELG339M010AT2AA
39000	25 x 50	50	3.70	3	ELG399M010AR6AA
39000	30 x 40	50	3.70	3	ELG399M010AS4AA
39000	35 x 30	50	3.65	3	ELG399M010AT2AA
47000	30 x 45	50	4.20	3	ELG479M010AS5AA
47000	35 x 35	50	3.80	3	ELG479M010AT3AA
56000	30 x 50	50	4.65	3	ELG569M010AS6AA
56000	35 x 40	50	4.65	3	ELG569M010AT4AA
68000	35 x 50	50	5.50	3	ELG689M010AT6AA

16 Vdc Rated voltage - 20 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (µF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
6800	22 x 25	40	1.55	2.2	ELG688M016AQ1AA
8200	22 x 30	40	1.70	2.6	ELG828M016AQ2AA
8200	25 x 25	40	1.70	2.6	ELG828M016AR1AA
10000	22 x 30	40	1.95	3	ELG109M016AQ2AA
10000	25 x 25	40	1.95	3	ELG109M016AR1AA
12000	22 x 35	40	2.20	3	ELG129M016AQ3AA
12000	25 x 30	40	2.25	3	ELG129M016AR2AA
12000	30 x 25	40	2.30	3	ELG129M016AS1AA
15000	22 x 40	40	2.55	3	ELG159M016AQ4AA
15000	25 x 35	40	2.60	3	ELG159M016AR3AA
15000	30 x 30	40	2.60	3	ELG159M016AS2AA
15000	35 x 25	40	2.65	3	ELG159M016AT1AA
18000	22 x 45	40	2.90	3	ELG189M016AQ5AA
18000	25 x 40	40	2.90	3	ELG189M016AR4AA
18000	30 x 30	40	2.90	3	ELG189M016AS2AA
18000	35 x 25	40	2.95	3	ELG189M016AT1AA
22000	25 x 45	40	3.30	3	ELG229M016AR5AA
22000	30 x 35	40	3.30	3	ELG229M016AS3AA
22000	35 x 30	40	3.30	3	ELG229M016AT2AA
27000	25 x 50	40	3.80	3	ELG279M016AR6AA
27000	30 x 40	40	3.75	3	ELG279M016AS4AA
27000	35 x 30	40	3.75	3	ELG279M016AT2AA
33000	30 x 45	40	4.30	3	ELG339M016AS5AA
33000	35 x 35	40	4.25	3	ELG339M016AT3AA
39000	30 x 50	40	4.80	3	ELG399M016AS6AA
39000	35 x 40	40	4.80	3	ELG399M016AT4AA
47000	35 x 45	40	5.45	3	ELG479M016AT5AA

25 Vdc Rated voltage - 32 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (µF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
4700	22 x 25	25	1.50	2.3	ELG478M025AQ1AA
5600	22 x 30	25	1.65	2.8	ELG568M025AQ2AA
5600	25 x 25	25	1.65	2.8	ELG568M025AR1AA
6800	22 x 30	25	1.85	3	ELG688M025AQ2AA
6800	25 x 25	25	1.85	3	ELG688M025AR1AA
8200	22 x 35	25	2.10	3	ELG828M025AQ3AA
8200	25 x 30	25	2.10	3	ELG828M025AR2AA
8200	30 x 25	25	2.15	3	ELG828M025AS1AA
10000	22 x 40	25	2.40	3	ELG109M025AQ4AA
10000	25 x 35	25	2.40	3	ELG109M025AR3AA
10000	30 x 30	25	2.40	3	ELG109M025AS2AA
10000	35 x 25	25	2.40	3	ELG109M025AT1AA
12000	22 x 45	25	2.70	3	ELG129M025AQ5AA
12000	25 x 40	25	2.75	3	ELG129M025AR4AA
12000	30 x 30	25	2.70	3	ELG129M025AS2AA
12000	35 x 25	25	2.75	3	ELG129M025AT1AA
15000	25 x 45	25	3.15	3	ELG159M025AR5AA
15000	30 x 35	25	3.15	3	ELG159M025AS3AA
15000	35 x 30	25	3.25	3	ELG159M025AT2AA
18000	25 x 50	25	3.55	3	ELG189M025AR6AA
18000	30 x 40	25	3.55	3	ELG189M025AS4AA
18000	35 x 35	25	3.55	3	ELG189M025AT3AA
22000	30 x 45	25	4.05	3	ELG229M025AS5AA
22000	35 x 35	25	3.80	3	ELG229M025AT3AA
27000	35 x 45	25	4.70	3	ELG279M025AT5AA
33000	35 x 50	25	5.40	3	ELG339M025AT6AA

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 ELG with EGG.

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35 Vdc Rated voltage - 44 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (μF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
3300	22 x 25	25	1.40	2.3	ELG338M035AQ1AA
3900	22 x 30	25	1.55	2.7	ELG388M035AQ2AA
3900	25 x 25	25	1.55	2.7	ELG388M035AR1AA
4700	22 x 35	25	1.80	3	ELG478M035AQ3AA
4700	25 x 25	25	1.80	3	ELG478M035AR1AA
5600	22 x 35	25	1.95	3	ELG568M035AQ3AA
5600	25 x 30	25	1.95	3	ELG568M035AR2AA
5600	30 x 25	25	2.00	3	ELG568M035AS1AA
6800	22 x 40	25	2.20	3	ELG688M035AQ4AA
6800	25 x 35	25	2.25	3	ELG688M035AR3AA
6800	30 x 30	25	2.30	3	ELG688M035AS2AA
6800	35 x 25	25	2.35	3	ELG688M035AT1AA
8200	22 x 50	25	2.55	3	ELG828M035AQ6AA
8200	25 x 40	25	2.50	3	ELG828M035AR4AA
8200	30 x 30	25	2.75	3	ELG828M035AS2AA
8200	35 x 25	25	2.75	3	ELG828M035AT1AA
10000	25 x 45	25	2.85	3	ELG109M035AR5AA
10000	30 x 35	25	2.90	3	ELG109M035AS3AA
10000	35 x 30	25	2.95	3	ELG109M035AT2AA
12000	25 x 50	25	3.25	3	ELG129M035AR6AA
12000	30 x 40	25	3.25	3	ELG129M035AS4AA
12000	35 x 30	25	3.15	3	ELG129M035AT2AA
15000	30 x 45	25	3.70	3	ELG159M035AS5AA
15000	35 x 35	25	3.65	3	ELG159M035AT3AA
18000	35 x 40	25	4.35	3	ELG189M035AT4AA
22000	30 x 50	25	4.90	3	ELG229M035AS6AA

50 Vdc Rated voltage - 63 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (μF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
1800	22 x 25	20	1.30	1.8	ELG188M050AQ1AA
2200	22 x 30	20	1.55	2.2	ELG228M050AQ2AA
2200	25 x 25	20	1.55	2.2	ELG228M050AR1AA
2700	22 x 30	20	1.70	2.7	ELG278M050AQ2AA
2700	25 x 25	20	1.70	2.7	ELG278M050AR1AA
3300	22 x 35	20	1.95	3	ELG338M050AQ3AA
3300	25 x 30	20	1.85	3	ELG338M050AR2AA
3900	22 x 40	20	2.15	3	ELG398M050AQ4AA
3900	25 x 35	20	2.20	3	ELG398M050AR3AA
3900	30 x 25	20	1.95	3	ELG398M050AS1AA
4700	22 x 45	20	2.45	3	ELG478M050AQ5AA
4700	25 x 40	20	2.45	3	ELG478M050AR4AA
4700	30 x 30	20	2.45	3	ELG478M050AS2AA
4700	35 x 25	20	2.50	3	ELG478M050AT1AA
5600	22 x 50	20	2.75	3	ELG568M050AQ6AA
5600	25 x 40	20	2.70	3	ELG568M050AR4AA
5600	30 x 35	20	2.75	3	ELG568M050AS3AA
5600	35 x 30	20	2.75	3	ELG568M050AT2AA
6800	25 x 50	20	3.30	3	ELG688M050AR6AA
6800	30 x 40	20	3.30	3	ELG688M050AS4AA
6800	35 x 30	20	3.25	3	ELG688M050AT2AA
8200	30 x 45	20	3.60	3	ELG828M050AS5AA
8200	35 x 35	20	3.55	3	ELG828M050AT3AA
10000	30 x 50	20	4.05	3	ELG109M050AS6AA
10000	35 x 40	20	4.00	3	ELG109M050AT4AA
12000	35 x 45	20	4.55	3	ELG129M050AT5AA

63 Vdc Rated voltage - 79 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (μF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
1200	22 x 25	20	1.20	1.5	ELG128M063AQ1AA
1500	22 x 30	20	1.30	1.9	ELG158M063AQ2AA
1500	25 x 25	20	1.30	1.9	ELG158M063AR1AA
1800	22 x 30	20	1.50	2.3	ELG188M063AQ2AA
1800	25 x 25	20	1.50	2.3	ELG188M063AR1AA
2200	22 x 35	20	1.70	2.8	ELG228M063AQ3AA
2200	25 x 30	20	1.75	2.8	ELG228M063AR2AA
2200	30 x 25	20	1.80	2.8	ELG228M063AS1AA
2700	22 x 40	20	2.00	3	ELG278M063AQ4AA
2700	25 x 35	20	2.00	3	ELG278M063AR3AA
2700	30 x 25	20	1.95	3	ELG278M063AS1AA
3300	22 x 50	20	2.30	3	ELG338M063AQ6AA
3300	25 x 40	20	2.30	3	ELG338M063AR4AA
3300	30 x 30	20	2.25	3	ELG338M063AS2AA
3300	35 x 25	20	2.10	3	ELG338M063AT1AA
3900	25 x 45	20	2.55	3	ELG398M063AR5AA
3900	30 x 35	20	2.55	3	ELG398M063AS3AA
3900	35 x 30	20	2.55	3	ELG398M063AT2AA
4700	25 x 50	20	2.85	3	ELG478M063AR6AA
4700	30 x 40	20	2.85	3	ELG478M063AS4AA
4700	35 x 30	20	2.80	3	ELG478M063AT2AA
5600	30 x 45	20	3.20	3	ELG568M063AS5AA
5600	35 x 35	20	3.20	3	ELG568M063AT3AA
6800	30 x 50	20	3.65	3	ELG688M063AS6AA
6800	35 x 40	20	3.65	3	ELG688M063AT4AA
8200	35 x 45	20	3.90	3	ELG828M063AT5AA
10000	35 x 50	20	4.40	3	ELG109M063AT6AA

80 Vdc Rated voltage - 100 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (μF)	Case size DxL (mm)	D.F. 120 Hz 25°C (tgδ %)	R.C. 120 Hz 105°C (A _{rms})	L.C. 20°C 5 min. (mA)	P/N*
820	22 x 25	20	1.10	1.3	ELG827M080AQ1AA
1000	22 x 30	20	1.20	1.6	ELG108M080AQ2AA
1000	25 x 25	20	1.20	1.6	ELG108M080AR1AA
1200	22 x 30	20	1.40	1.9	ELG128M080AQ2AA
1200	25 x 25	20	1.40	1.9	ELG128M080AR1AA
1500	25 x 35	20	1.60	2.4	ELG158M080AR3AA
1500	25 x 30	20	1.60	2.4	ELG158M080AR2AA
1500	30 x 25	20	1.65	2.4	ELG158M080AS1AA
1800	22 x 40	20	1.80	2.9	ELG188M080AQ4AA
1800	25 x 35	20	1.85	2.9	ELG188M080AR3AA
1800	30 x 25	20	1.80	2.9	ELG188M080AS1AA
2200	22 x 45	20	2.05	3	ELG228M080AQ5AA
2200	25 x 35	20	2.00	3	ELG228M080AR3AA
2200	30 x 30	20	2.05	3	ELG228M080AS2AA
2200	35 x 25	20	2.05	3	ELG228M080AT1AA
2700	25 x 45	20	2.35	3	ELG278M080AR5AA
2700	30 x 35	20	2.35	3	ELG278M080AS3AA
2700	35 x 30	20	2.35	3	ELG278M080AT2AA
3300	25 x 50	20	2.70	3	ELG338M080AR6AA
3300	30 x 40	20	2.70	3	ELG338M080AS4AA
3300	35 x 30	20	2.55	3	ELG338M080AT2AA
3900	30 x 45	20	3.00	3	ELG398M080AS5AA
3900	35 x 35	20	3.00	3	ELG398M080AT3AA
4700	30 x 50	20	3.40	3	ELG478M080AS6AA
4700	35 x 40	20	3.40	3	ELG478M080AT4AA
5600	35 x 45	20	3.80	3	ELG568M080AT5AA
6800	35 x 50	20	3.90	3	ELG688M080AT6AA

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 ELG with EGG.

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

100 Vdc Rated voltage - 125 Vdc Surge voltage					
Rated cap. 120 Hz 20°C (μ F)	Case size DxL (mm)	D.F. 120 Hz 25°C (tg δ %)	R.C. 120 Hz 105°C (A_{rms})	L.C. 20°C 5 min. (mA)	P/N*
560	22 x 25	15	1.05	1.1	ELG567M100AQ1AA
680	22 x 25	15	1.20	1.4	ELG687M100AQ1AA
820	22 x 30	15	1.30	1.6	ELG827M100AQ2AA
820	25 x 25	15	1.33	1.6	ELG827M100AR1AA
1000	22 x 35	15	1.50	2	ELG108M100AQ3AA
1000	25 x 30	15	1.50	2	ELG108M100AR2AA
1200	22 x 40	15	1.70	2.4	ELG128M100AQ4AA
1200	25 x 35	15	1.70	2.4	ELG128M100AR3AA
1200	30 x 25	15	1.70	2.4	ELG128M100AS1AA
1500	22 x 45	15	1.95	3	ELG158M100AQ5AA
1500	25 x 40	15	2.00	3	ELG158M100AR4AA
1500	30 x 30	15	1.95	3	ELG158M100AS2AA
1500	35 x 25	15	2.00	3	ELG158M100AT1AA
1800	25 x 45	15	2.20	3	ELG188M100AR5AA
1800	30 x 35	15	2.50	3	ELG188M100AS3AA
1800	35 x 30	15	2.45	3	ELG188M100AT2AA
2200	25 x 50	15	2.55	3	ELG228M100AR6AA
2200	30 x 40	15	2.70	3	ELG228M100AS4AA
2200	35 x 30	15	2.55	3	ELG228M100AT2AA
2700	30 x 45	15	2.90	3	ELG278M100AS5AA
2700	35 x 35	15	2.85	3	ELG278M100AT3AA
3300	30 x 50	15	3.25	3	ELG338M100AS6AA
3300	35 x 40	15	3.25	3	ELG338M100AT4AA
3900	30 x 50	15	3.70	3	ELG398M100AS6AA
3900	35 x 45	15	3.70	3	ELG398M100AT5AA
4700	35 x 40	15	3.20	3	ELG478M100AT4AA
4700	35 x 50	15	3.80	3	ELG478M100AT6AA
6800	35 x 50	15	3.90	3	ELG688M100AT6AA

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

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

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (μ F)	Case size DxL (mm)	160 Vdc Rated voltage - 200 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tg δ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A _{rms})		
220	22 x 20	15	0.338	0.80	1	ELG227M160AQ7AA
270	22 x 25	10	0.338	1.00	0.9	ELG277M160AQ1AA
330	22 x 25	10	0.276	1.20	1	ELG337M160AQ1AA
330	25 x 20	15	0.276	1.15	1.6	ELG337M160AR7AA
390	22 x 30	10	0.234	1.30	1.2	ELG397M160AQ2AA
390	25 x 25	10	0.234	1.30	1.2	ELG397M160AR1AA
470	22 x 30	10	0.210	1.40	1.5	ELG477M160AQ2AA
470	22 x 35	10	0.212	1.40	1.5	ELG477M160AQ3AA
470	25 x 25	10	0.218	1.40	1.5	ELG477M160AR1AA
560	22 x 35	10	0.178	1.50	1.8	ELG567M160AQ3AA
560	22 x 40	10	0.178	1.50	1.8	ELG567M160AQ4AA
560	25 x 30	10	0.182	1.50	1.8	ELG567M160AR2AA
560	30 x 25	10	0.183	1.50	1.8	ELG567M160AS1AA
680	22 x 45	10	0.146	1.70	2.2	ELG687M160AQ5AA
680	25 x 35	10	0.146	1.70	2.2	ELG687M160AR3AA
680	30 x 25	10	0.146	1.70	2.2	ELG687M160AS1AA
820	22 x 50	10	0.121	1.95	2.6	ELG827M160AQ6AA
820	25 x 40	10	0.121	2.00	2.6	ELG827M160AR4AA
820	30 x 30	10	0.121	2.00	2.6	ELG827M160AS2AA
820	35 x 25	15	0.121	1.90	2.6	ELG827M160AT1AA
1000	25 x 45	10	0.110	2.20	3	ELG108M160AR5AA
1000	30 x 35	10	0.110	2.20	3	ELG108M160AS3AA
1000	35 x 30	15	0.110	2.20	3	ELG108M160AT2AA
1200	25 x 50	10	0.110	2.45	3	ELG128M160AR6AA
1200	30 x 40	10	0.110	2.45	3	ELG128M160AS4AA
1200	35 x 30	15	0.115	2.45	3	ELG128M160AT2AA
1500	30 x 45	10	0.092	2.80	3	ELG158M160AS5AA
1500	35 x 35	15	0.092	2.80	3	ELG158M160AT3AA
1800	30 x 50	10	0.085	3.30	3	ELG188M160AS6AA
1800	35 x 40	15	0.090	3.30	3	ELG188M160AT4AA
1800	35 x 45	15	0.090	3.30	3	ELG188M160AT5AA
2200	35 x 45	15	0.075	3.75	3	ELG228M160AT5AA
2200	35 x 50	15	0.075	3.75	3	ELG228M160AT6AA

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

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (µF)	Case size DxL (mm)	180 Vdc Rated voltage - 225 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tgδ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A _{rms})		
180	22 x 20	15	0.380	0.75	1	ELG187M180AQ7AA
220	22 x 25	10	0.350	0.85	0.8	ELG227M180AQ1AA
270	22 x 25	10	0.270	0.95	1	ELG277M180AQ1AA
270	25 x 20	15	0.270	0.90	1.4	ELG277M180AR7AA
330	22 x 25	10	0.240	1.10	1.2	ELG337M180AQ1AA
330	22 x 30	10	0.240	1.10	1.2	ELG337M180AQ2AA
330	25 x 25	10	0.240	1.10	1.2	ELG337M180AR1AA
390	22 x 30	10	0.195	1.30	1.4	ELG397M180AQ2AA
390	25 x 25	10	0.195	1.30	1.4	ELG397M180AR1AA
470	22 x 30	10	0.172	1.35	1.7	ELG477M180AQ2AA
470	22 x 35	10	0.172	1.40	1.7	ELG477M180AQ3AA
470	25 x 30	10	0.172	1.40	1.7	ELG477M180AR2AA
470	30 x 25	10	0.172	1.40	1.7	ELG477M180AS1AA
560	22 x 40	10	0.140	1.50	2	ELG567M180AQ4AA
560	25 x 35	10	0.140	1.55	2	ELG567M180AR3AA
560	30 x 25	10	0.140	1.50	2	ELG567M180AS1AA
680	22 x 45	10	0.135	1.70	2.4	ELG687M180AQ5AA
680	22 x 50	10	0.135	1.70	2.4	ELG687M180AQ6AA
680	25 x 40	10	0.135	1.75	2.4	ELG687M180AR4AA
680	30 x 30	10	0.135	1.70	2.4	ELG687M180AS2AA
680	35 x 25	15	0.135	1.70	2.4	ELG687M180AT1AA
820	22 x 50	10	0.110	2.00	2.9	ELG827M180AQ6AA
820	25 x 40	10	0.110	2.00	2.9	ELG827M180AR4AA
820	25 x 45	10	0.110	2.00	2.9	ELG827M180AR5AA
820	30 x 30	10	0.110	2.00	2.9	ELG827M180AS2AA
820	30 x 35	10	0.110	2.00	2.9	ELG827M180AS3AA
820	35 x 25	15	0.110	1.90	2.9	ELG827M180AT1AA
1000	25 x 45	10	0.092	2.20	3	ELG108M180AR5AA
1000	25 x 50	10	0.092	2.20	3	ELG108M180AR6AA
1000	30 x 35	10	0.092	2.25	3	ELG108M180AS3AA
1000	30 x 40	10	0.092	2.25	3	ELG108M180AS4AA
1000	35 x 30	15	0.092	2.25	3	ELG108M180AT2AA
1200	25 x 50	10	0.080	2.50	3	ELG128M180AR6AA
1200	30 x 40	10	0.080	2.50	3	ELG128M180AS4AA
1200	30 x 45	10	0.080	2.50	3	ELG128M180AS5AA
1200	35 x 30	15	0.080	2.50	3	ELG128M180AT2AA
1200	35 x 35	15	0.080	2.50	3	ELG128M180AT3AA
1500	30 x 45	10	0.070	2.90	3	ELG158M180AS5AA
1500	30 x 50	10	0.070	2.90	3	ELG158M180AS6AA
1500	35 x 35	15	0.070	2.90	3	ELG158M180AT3AA
1500	35 x 40	15	0.070	2.90	3	ELG158M180AT4AA
1800	35 x 40	15	0.065	3.30	3	ELG188M180AT4AA
1800	35 x 50	15	0.065	3.30	3	ELG188M180AT6AA
2200	35 x 45	15	0.054	3.60	3	ELG228M180AT5AA
2200	35 x 50	15	0.054	3.60	3	ELG228M180AT6AA

* Only for Ø ≥ 35 mm and 4 pin terminals, replace ELG with EGG.

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (μF)	Case size DxL (mm)	200 Vdc Rated voltage - 250 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tg δ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A_{rms})		
150	22 x 20	15	0.350	0.65	0.9	ELG157M200AQ7AA
180	22 x 20	15	0.350	0.70	1	ELG187M200AQ7AA
220	22 x 25	10	0.320	0.80	0.9	ELG227M200AQ1AA
220	25 x 20	15	0.320	0.80	1.3	ELG227M200AR7AA
270	22 x 25	10	0.255	0.85	1.1	ELG277M200AQ1AA
270	25 x 25	10	0.255	0.85	1.1	ELG277M200AR1AA
330	22 x 30	10	0.220	1.20	1.3	ELG337M200AQ2AA
330	25 x 25	10	0.220	1.20	1.3	ELG337M200AR1AA
390	22 x 30	10	0.180	1.30	1.6	ELG397M200AQ2AA
390	22 x 35	10	0.180	1.30	1.6	ELG397M200AQ3AA
390	25 x 25	10	0.180	1.30	1.6	ELG397M200AR1AA
390	25 x 30	10	0.180	1.30	1.6	ELG397M200AR2AA
390	30 x 25	10	0.180	1.30	1.6	ELG397M200AS1AA
470	22 x 35	10	0.150	1.40	1.9	ELG477M200AQ3AA
470	22 x 40	10	0.150	1.40	1.9	ELG477M200AQ4AA
470	25 x 30	10	0.150	1.40	1.9	ELG477M200AR2AA
470	30 x 25	10	0.150	1.50	1.9	ELG477M200AS1AA
560	22 x 40	10	0.127	1.55	2.2	ELG567M200AQ4AA
560	22 x 45	10	0.127	1.55	2.2	ELG567M200AQ5AA
560	25 x 35	10	0.117	1.55	2.2	ELG567M200AR3AA
560	30 x 30	10	0.120	1.55	2.2	ELG567M200AS2AA
680	22 x 50	10	0.121	1.75	2.7	ELG687M200AQ6AA
680	25 x 40	10	0.121	1.75	2.7	ELG687M200AR4AA
680	30 x 30	10	0.121	1.75	2.7	ELG687M200AS2AA
680	35 x 25	15	0.125	1.70	2.7	ELG687M200AT1AA
820	25 x 45	10	0.100	2.05	3	ELG827M200AR5AA
820	25 x 50	10	0.100	2.05	3	ELG827M200AR6AA
820	30 x 35	10	0.100	2.00	3	ELG827M200AS3AA
820	35 x 30	15	0.100	2.05	3	ELG827M200AT2AA
1000	30 x 40	10	0.090	2.30	3	ELG108M200AS4AA
1000	30 x 45	10	0.090	2.30	3	ELG108M200AS5AA
1000	35 x 30	15	0.090	2.30	3	ELG108M200AT2AA
1000	35 x 35	15	0.090	2.30	3	ELG108M200AT3AA
1200	30 x 45	10	0.080	2.60	3	ELG128M200AS5AA
1200	30 x 50	10	0.080	2.60	3	ELG128M200AS6AA
1200	35 x 35	15	0.080	2.65	3	ELG128M200AT3AA
1200	35 x 40	15	0.080	2.65	3	ELG128M200AT4AA
1500	35 x 45	15	0.072	3.10	3	ELG158M200AT5AA
1800	35 x 50	15	0.060	3.50	3	ELG188M200AT6AA

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

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (µF)	Case size DxL (mm)	250 Vdc Rated voltage - 300 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tgδ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A _{rms})		
120	22 x 20	15	0.660	0.60	0.9	ELG127M250AQ7AA
150	22 x 25	10	0.485	0.65	0.7	ELG157M250AQ1AA
180	22 x 25	10	0.365	0.80	0.9	ELG187M250AQ1AA
180	25 x 20	15	0.365	0.75	1.3	ELG187M250AR7AA
220	22 x 25	10	0.298	0.95	1.1	ELG227M250AQ1AA
220	22 x 30	10	0.298	0.95	1.1	ELG227M250AQ2AA
220	25 x 25	10	0.298	0.95	1.1	ELG227M250AR1AA
270	22 x 30	10	0.245	1.15	1.3	ELG277M250AQ2AA
270	22 x 35	10	0.245	1.15	1.3	ELG277M250AQ3AA
270	25 x 25	10	0.245	1.15	1.3	ELG277M250AR1AA
270	25 x 30	10	0.245	1.15	1.3	ELG277M250AR2AA
270	30 x 25	10	0.245	1.15	1.3	ELG277M250AS1AA
330	22 x 35	10	0.219	1.25	1.6	ELG337M250AQ3AA
330	22 x 40	10	0.225	1.25	1.6	ELG337M250AQ4AA
330	25 x 30	10	0.230	1.20	1.6	ELG337M250AR2AA
330	30 x 25	10	0.234	1.25	1.6	ELG337M250AS1AA
390	22 x 40	10	0.186	1.50	1.9	ELG397M250AQ4AA
390	22 x 45	10	0.186	1.50	1.9	ELG397M250AQ5AA
390	25 x 35	10	0.186	1.50	1.9	ELG397M250AR3AA
390	30 x 30	10	0.190	1.50	1.9	ELG397M250AS2AA
470	22 x 45	10	0.155	1.55	2.3	ELG477M250AQ5AA
470	22 x 50	10	0.155	1.55	2.3	ELG477M250AQ6AA
470	25 x 35	10	0.160	1.55	2.3	ELG477M250AR3AA
470	25 x 40	10	0.165	1.55	2.3	ELG477M250AR4AA
470	30 x 30	10	0.168	1.55	2.3	ELG477M250AS2AA
470	35 x 25	15	0.170	1.55	2.3	ELG477M250AT1AA
560	25 x 45	10	0.131	1.80	2.8	ELG567M250AR5AA
560	30 x 30	10	0.131	1.80	2.8	ELG567M250AS2AA
560	30 x 35	10	0.134	1.80	2.8	ELG567M250AS3AA
560	35 x 30	15	0.134	1.80	2.8	ELG567M250AT2AA
680	25 x 50	10	0.110	1.95	3	ELG687M250AR6AA
680	30 x 35	10	0.110	2.00	3	ELG687M250AS3AA
680	30 x 40	10	0.110	2.00	3	ELG687M250AS4AA
680	35 x 30	15	0.110	2.00	3	ELG687M250AT2AA
680	35 x 35	15	0.110	2.00	3	ELG687M250AT3AA
820	30 x 40	10	0.108	2.15	3	ELG827M250AS4AA
820	30 x 45	10	0.108	2.15	3	ELG827M250AS5AA
820	35 x 30	15	0.108	2.10	3	ELG827M250AT2AA
820	35 x 35	15	0.108	2.10	3	ELG827M250AT3AA
1000	35 x 35	15	0.090	2.30	3	ELG108M250AT3AA
1000	35 x 40	15	0.090	2.30	3	ELG108M250AT4AA
1200	35 x 40	15	0.075	2.45	3	ELG128M250AT4AA
1200	35 x 45	15	0.075	2.45	3	ELG128M250AT5AA
1500	35 x 50	15	0.066	3.63	3	ELG158M250AT6AA

* Only for Ø ≥ 35 mm and 4 pin terminals, replace ELG with EGG.

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (μ F)	Case size DxL (mm)	350 Vdc Rated voltage - 400 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tg δ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A _{rms})		
56	22 x 20	15	1.250	0.40	0.6	ELG566M350AQ7AA
68	22 x 25	15	0.890	0.45	0.5	ELG686M350AQ1AA
82	22 x 25	15	0.720	0.55	0.6	ELG826M350AQ1AA
82	25 x 20	15	0.720	0.50	0.9	ELG826M350AR7AA
100	22 x 30	15	0.595	0.70	0.7	ELG107M350AQ2AA
100	25 x 25	15	0.595	0.70	0.7	ELG107M350AR1AA
120	22 x 35	15	0.510	0.75	0.8	ELG127M350AQ3AA
120	25 x 30	15	0.510	0.75	0.8	ELG127M350AR2AA
120	30 x 25	15	0.510	0.75	0.8	ELG127M350AS1AA
150	22 x 40	15	0.412	0.80	1	ELG157M350AQ4AA
150	25 x 30	15	0.412	0.85	1	ELG157M350AR2AA
150	30 x 25	15	0.412	0.85	1	ELG157M350AS1AA
180	22 x 45	15	0.343	0.90	1.3	ELG187M350AQ5AA
180	25 x 30	15	0.343	0.90	1.3	ELG187M350AR2AA
180	25 x 35	15	0.343	0.90	1.3	ELG187M350AR3AA
180	30 x 30	15	0.343	0.90	1.3	ELG187M350AS2AA
220	22 x 50	15	0.285	1.05	1.5	ELG227M350AQ6AA
220	25 x 40	15	0.285	1.05	1.5	ELG227M350AR4AA
220	30 x 30	15	0.285	1.00	1.5	ELG227M350AS2AA
220	35 x 25	15	0.285	1.05	1.5	ELG227M350AT1AA
270	25 x 45	15	0.245	1.20	1.9	ELG277M350AR5AA
270	30 x 35	15	0.245	1.20	1.9	ELG277M350AS3AA
270	35 x 30	15	0.245	1.20	1.9	ELG277M350AT2AA
330	30 x 40	15	0.210	1.35	2.3	ELG337M350AS4AA
330	35 x 35	15	0.210	1.35	2.3	ELG337M350AT3AA
390	30 x 45	15	0.175	1.50	2.7	ELG397M350AS5AA
390	35 x 35	15	0.175	1.50	2.7	ELG397M350AT3AA
470	35 x 40	15	0.145	1.70	3	ELG477M350AT4AA
560	35 x 45	15	0.105	1.90	3	ELG567M350AT5AA

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

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (μ F)	Case size DxL (mm)	400 Vdc Rated voltage - 450 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tg δ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A_{rms})		
47	22 x 20	15	1.420	0.35	0.6	ELG476M400AQ7AA
56	22 x 20	15	1.210	0.40	0.7	ELG566M400AQ7AA
68	22 x 25	15	0.852	0.50	0.5	ELG686M400AQ1AA
68	25 x 20	15	0.852	0.50	0.8	ELG686M400AR7AA
82	22 x 30	15	0.706	0.60	0.6	ELG826M400AQ2AA
82	25 x 25	15	0.706	0.65	0.6	ELG826M400AR1AA
100	22 x 35	15	0.582	0.65	0.8	ELG107M400AQ3AA
100	25 x 30	15	0.582	0.65	0.8	ELG107M400AR2AA
120	22 x 35	15	0.485	0.70	1	ELG127M400AQ3AA
120	25 x 30	15	0.485	0.70	1	ELG127M400AR2AA
120	30 x 25	15	0.485	0.75	1	ELG127M400AS1AA
150	22 x 40	15	0.388	0.80	1.2	ELG157M400AQ4AA
150	25 x 30	15	0.388	0.85	1.2	ELG157M400AR2AA
150	25 x 35	15	0.388	0.85	1.2	ELG157M400AR3AA
150	30 x 30	15	0.388	0.85	1.2	ELG157M400AS2AA
150	35 x 25	15	0.388	0.80	1.2	ELG157M400AT1AA
180	22 x 50	15	0.323	0.95	1.4	ELG187M400AQ6AA
180	25 x 40	15	0.323	0.95	1.4	ELG187M400AR4AA
180	30 x 30	15	0.323	0.90	1.4	ELG187M400AS2AA
180	35 x 25	15	0.323	0.95	1.4	ELG187M400AT1AA
220	25 x 45	15	0.265	1.05	1.8	ELG227M400AR5AA
220	30 x 35	15	0.265	1.05	1.8	ELG227M400AS3AA
220	35 x 30	15	0.265	1.10	1.8	ELG227M400AT2AA
270	25 x 50	15	0.242	1.20	2.2	ELG277M400AR6AA
270	30 x 40	15	0.242	1.20	2.2	ELG277M400AS4AA
270	35 x 35	15	0.242	1.20	2.2	ELG277M400AT3AA
330	30 x 45	15	0.195	1.40	2.6	ELG337M400AS5AA
330	35 x 35	15	0.195	1.35	2.6	ELG337M400AT3AA
390	30 x 40	15	0.165	1.55	3	ELG397M400AS4AA
390	30 x 50	15	0.165	1.55	3	ELG397M400AS6AA
390	35 x 40	15	0.165	1.55	3	ELG397M400AT4AA
470	30 x 50	15	0.130	1.75	3	ELG477M400AS6AA
470	35 x 45	15	0.130	1.75	3	ELG477M400AT5AA
560	35 x 50	15	0.112	1.90	3	ELG567M400AT6AA
680	35 x 60	15	0.092	2.15	3	ELG687M400AT8AA

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

SNAP-IN TERMINALS - General purpose 105°C / 2000 h

Rated cap. 120 Hz 20°C (μ F)	Case size DxL (mm)	450 Vdc Rated voltage - 500 Vdc Surge voltage			L.C. 20°C 5 min. (mA)	P/N*
		D.F. 120 Hz 25°C (tg δ %)	E.S.R. max 20 kHz 25°C (Ω)	R.C. 120 Hz 105°C (A _{rms})		
56	22 x 25	15	1.230	0.40	0.5	ELG566M450AQ1AA
68	22 x 30	15	0.937	0.50	0.6	ELG686M450AQ2AA
68	25 x 25	15	0.937	0.50	0.6	ELG686M450AR1AA
82	22 x 35	15	0.768	0.55	0.7	ELG826M450AQ3AA
82	25 x 30	15	0.768	0.55	0.7	ELG826M450AR2AA
82	30 x 25	15	0.768	0.55	0.7	ELG826M450AS1AA
100	22 x 40	15	0.628	0.65	0.9	ELG107M450AQ4AA
100	25 x 30	15	0.628	0.60	0.9	ELG107M450AR2AA
100	30 x 25	15	0.628	0.65	0.9	ELG107M450AS1AA
120	22 x 45	15	0.532	0.70	1.1	ELG127M450AQ5AA
120	25 x 35	15	0.532	0.70	1.1	ELG127M450AR3AA
120	30 x 30	15	0.532	0.70	1.1	ELG127M450AS2AA
120	35 x 25	15	0.532	0.70	1.1	ELG127M450AT1AA
150	22 x 50	15	0.425	0.80	1.3	ELG157M450AQ6AA
150	25 x 40	15	0.425	0.80	1.3	ELG157M450AR4AA
150	30 x 30	15	0.425	0.75	1.3	ELG157M450AS2AA
150	35 x 25	15	0.425	0.75	1.3	ELG157M450AT1AA
180	25 x 45	15	0.354	0.85	1.6	ELG187M450AR5AA
180	30 x 35	15	0.354	0.85	1.6	ELG187M450AS3AA
180	35 x 30	15	0.354	0.85	1.6	ELG187M450AT2AA
220	25 x 50	15	0.287	1.00	2	ELG227M450AR6AA
220	30 x 40	15	0.287	1.00	2	ELG227M450AS4AA
220	35 x 30	15	0.287	1.00	2	ELG227M450AT2AA
270	30 x 45	15	0.266	1.15	2.4	ELG277M450AS5AA
270	35 x 35	15	0.266	1.15	2.4	ELG277M450AT3AA
330	30 x 50	15	0.214	1.40	3	ELG337M450AS6AA
330	35 x 40	15	0.214	1.40	3	ELG337M450AT4AA
390	35 x 45	15	0.180	1.55	3	ELG397M450AT5AA
470	35 x 50	15	0.145	1.70	3	ELG477M450AT6AA
680	35 x 60	15	0.110	2.10	3	ELG687M450AT8AA

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

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