

PRHZ2.E252739

Servo and Stepper Motors - Component

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DELTA ELECTRONICS INC

E252739

31-1 SHIEN PAN RD
KUEI SAN INDUSTRIAL ZONE
TAOYUAN HSIEN, 333 TAIWAN

Servo motor, Series ASMT followed by 01, 02, 04, 07, 10, 15, 20, 30 or 50, followed by L or M, followed by A or B, followed by N/A or K.

Conditions of Acceptability:

1. This Report covers only the general construction features on the motors and no evaluation of the performance characteristics has been made. Therefore, the acceptability of these motors when operated under normal or abnormal load conditions within an appliance or enclosure must be determined for each use.
2. The Recognition of the motors covered by this Report is based upon the assurance of the manufacturer that the specific motor model number will change if any significant construction variations are made. Because of this, it is necessary that the complete motor model (i.e., ASMT01L250AK) be included in the appliance Report, along with the complete nameplate electrical ratings and significant construction features that can be determined by inspection, without disassembly of the motor.
3. This Report does not cover the investigation of any motor-protector combination.
4. The motor mounting means, motor leads, strain relief, and lead terminations must be evaluated for each end-use.
5. Where motor leads are terminated in connectors the acceptability of the connectors must be determined in the end-use application. Where the connectors are mounted on the motor, the means of mounting must also be evaluated. The operating temperature of the connectors described in this report shall not exceed 120°C.
6. No evaluation of the encoder or its assembly has been made. The suitability should be determined in the end-use application.
7. No evaluation of any of the gaskets has been made. The suitability should be determined in the end-use application.
8. No evaluation of the brake has been made. The suitability should be determined in the end-use application.
9. CNR - Identifies compliance with CSA Standard C22.2, No. 100; USR - Identifies compliance with Standard UL 1004.
10. The Temperature per CSA C22.2 No 100 was not conducted on the ASTM servo motors, since they can not operate without the use of a drive. The Temperature test and suitability should be determined in the end use application.

Servo motor, Series ECMA followed by C, E, F or G, followed by 1, 2, 3, 4, 5, 7, 9, M, R, H or S, followed by 04, 06, 08, 09, 10, 13 or 18, followed by 0F, 01, 02, 03, 04, 05, 06, 07, 09, 10, 15, 20, 30, 35, 45, 55 or 75, followed by A-H, J, K, M, N or P-X, followed by S, 1, 7, 6, 9, 2, 4, 8, 5, 3, M, Y, P, D, H, L, K, X, F, A, B, E, G or C.

Conditions of Acceptability:

1. This Report covers only the general construction features on the motors and no evaluation of the performance characteristics has been made. Therefore, the acceptability of these motors when operated under normal or abnormal load conditions within an appliance or enclosure must be determined for each use.
2. The Recognition of the motors covered by this Report is based upon the assurance of the manufacturer that the specific motor model number will change if any significant construction variations are made. Because of this, it is necessary that the complete motor model (i.e., ECMA-C31020ES) be included in the appliance Report, along with the complete nameplate electrical ratings and significant

construction features that can be determined by inspection, without disassembly of the motor.

3. This Report does not cover the investigation of any motor-protector combination.

4. The motor mounting means, motor leads, strain relief, and lead terminations must be evaluated for each end-use.

5. Where motor leads are terminated in connectors the acceptability of the connectors must be determined in the end-use application. Where the connectors are mounted on the motor, the means of mounting must also be evaluated. The operating temperature of the connectors described in this report shall not exceed 105°C.

6. No evaluation of the encoder or its assembly has been made. The suitability should be determined in the end-use application.

7. Samples of the ECMA motor series were subjected to a Rating test as required by CSA C22.2 No. 100, Motors and Generators. The measured currents were within 10 percent of the nameplate marking and were considered acceptable.

8. Representative samples of the above motors were subjected to benchtop temperature tests as required by CSA C22.2 No. 100. The maximum temperature measured on the windings was 102.7°C in a 25°C ambient. This was within the maximum 110°C temperature limit for Class A insulated totally enclosed motors and was considered acceptable. A temperature test should be conducted in the end-use application if this motor is mounted in an enclosure or the ambient is other than 25°C.

9. CNR - Identifies compliance with CSA Standard C22.2, No. 100; USR - Identifies compliance with Standard UL 1004.

10. The ECMA motors described in this report are rated 110 V and are intended to be coupled to a drive to operate. The input voltage to the ECMA motors may vary from 110 V to 170 V due to the variable frequency drive(s) required to operate the motors at rated torque, speed, and horsepower.

Servo motors, (110 V): Models ECMA-C(X)040F(Y)(Z), ECMA-E(X)0605(Y)(Z), ECMA-C(X)0601(Y)(Z), ECMA-F(X)1308(Y)(Z), ECMA-F(X)1313(Y)(Z), ECMA-C(X)1330(Y)(Z), ECMA-E(X)1330(Y)(Z), ECMA-E(X)1333(Y)(Z), ECMA-E(X)181B(Y)(Z), ECMA-E(X)221F(Y)(Z), ECMA-F(X)221B(Y)(Z), ECMA-F(X)221F(Y)(Z) series, where (X) may be 1, 2, 3, 4, 5, 7, 8, 9, A, B, H, M, R, S or X; (Y) may be A, B, C, D, E, F, G, H, J, K, M, N, P, Q, R, S, T, U, V or W; (Z) may be "xxx", each "x" may be A-Z, 0-9 or blank.

Servo motors, (220 V): Models ECMA-J(X)0807(Y)(Z), ECMA-L(X)0905(Y)(Z), ECMA-J(X)0907(Y)(Z), ECMA-J(X)0910(Y)(Z), ECMA-J(X)1010(Y)(Z), ECMA-J(X)1020(Y)(Z), ECMA-L(X)1308(Y)(Z), ECMA-L(X)1313(Y)(Z), ECMA-K(X)1310(Y)(Z), ECMA-K(X)1315(Y)(Z), ECMA-K(X)1320(Y)(Z), ECMA-M(X)1309(Y)(Z), ECMA-J(X)1330(Y)(Z), ECMA-K(X)1820(Y)(Z), ECMA-L(X)1830(Y)(Z), ECMA-L(X)1845(Y)(Z), ECMA-L(X)1855(Y)(Z), ECMA-L(X)1875(Y)(Z), ECMA-K(X)181B(Y)(Z), ECMA-K(X)221F(Y)(Z) series, where (X) may be 1, 2, 3, 4, 5, 7, 8, 9, A, B, H, M, R, S or X; (Y) may be A, B, C, D, E, F, G, H, J, K, M, N, P, Q, R, S, T, U, V or W; (Z) may be "xxx", each "x" may be A-Z, 0-9 or blank.

Servo motors, (110 V): Models ECMD-E(A)0602(B)(Z), ECMD-E(A)0804(B)(Z), ECMD-E(A)1007(B)(Z), ECMD-E(A)1315(B)(Z), ECMD-E(A)1822(B)(Z), ECMD-E(A)1837(B)(Z) series, where (A) may be 1, 2, 3, 4, 5, 7, 8, 9, A, B, H, M, R or S; (B) may be M or B; (Z) may be "xxx", each "x" may be A-Z, 0-9 or blank.

Servo motors, (220 V): Models ECMD-K(A)0804(B)(Z), ECMD-K(A)1007(B)(Z), ECMD-K(A)1315(B)(Z), ECMD-K(A)1822(B)(Z), ECMD-K(A)1837(B)(Z) series, where (A) may be 1, 2, 3, 4, 5, 7, 8, 9, A, B, H, M, R or S; (B) may be M or B; (Z) may be "xxx", each "x" may be A-Z, 0-9 or blank.

Servo motors, (220 V): Models ECMD-M90802M(Z), ECMD-M90802B(Z) series, where (Z) may be "xxx", each "x" may be A-Z, 0-9 or blank.

Servo motors, Models ASM-20A, ASM-21A, DMU20A, DMU21A.

Marking: Company name, motor model or catalog designation and the Recognized Component Mark .

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