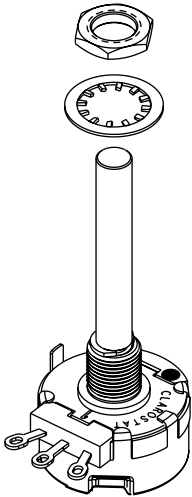
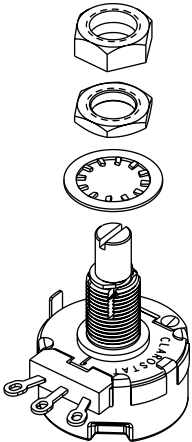
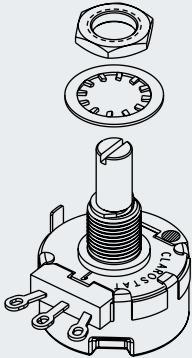


# 53C Series Specific Configurations

Table 8. 53C Series Specific Configurations

| Shaft Type                          | Bushing Type                 | AR Pin | Termination | Configuration with Associated Hardware                                              | Shaft Type                      | Bushing Type                    | AR Pin | Termination | Configuration with Associated Hardware                                              |
|-------------------------------------|------------------------------|--------|-------------|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------|--------|-------------|-------------------------------------------------------------------------------------|
| 53C1 (See Table 53C1 on pp. 33-34.) |                              |        |             |                                                                                     | 53C2 (See Table 53C2 on p. 35.) |                                 |        |             |                                                                                     |
| round                               | standard, 9,53 mm [0.375 in] | 1      | solder lug  |    | slotted                         | high torque, 12,7 mm [0.500 in] | 1      | solder lug  |  |
| 53C3 (See Table 53C3 on pp. 36-37.) |                              |        |             |                                                                                     |                                 |                                 |        |             |                                                                                     |
| slotted                             | standard, 6,35 mm [0.25 in]  | 1      | solder lug  |  |                                 |                                 |        |             |                                                                                     |

# 53C Series Order Guides

Table 53C1 Order Guide

| Catalog Listing | Electrical       |                                  |                                  |                                   |                                              |                                       |       | Mechanical                   |                                 |                           |            | Dimensions                  |                               | RoHS Compliant | Mounting Hardware |
|-----------------|------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------------------|---------------------------------------|-------|------------------------------|---------------------------------|---------------------------|------------|-----------------------------|-------------------------------|----------------|-------------------|
|                 | Resistance (Ohm) | Resistance Tolerance ( $\pm\%$ ) | End Resistance at CW, Max. (Ohm) | End Resistance at CCW, Max. (Ohm) | Effective Electrical Rotation, Typ. (Degree) | Electrical Rotation, $\pm 3$ (Degree) | Taper | Mechanical Rotation (Degree) | Operating Torque (mN m [in-oz]) | Stop Torque (N m [in-lb]) | Shaft Seal | A<br>Shaft Length (mm [in]) | B<br>Bushing Length (mm [in]) |                |                   |
| 53C1100         | 100              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1100K        | 100 k            | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C110K         | 10 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C110MEG       | 10 M             | 20                               | 10                               | 10                                | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C11500        | 1.5 k            | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C115K         | 15 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C11K          | 1 k              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C11MEG        | 1 M              | 20                               | 10                               | 10                                | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C120K         | 20 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1250         | 250              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C12500        | 2.5 k            | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1250K        | 250 k            | 10                               | 10                               | 10                                | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C125K         | 25 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C12K          | 2 k              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C135K         | 35 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C150          | 50 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1500         | 500              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1500K        | 500 k            | 10                               | 10                               | 10                                | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C150K         | 50 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C15K          | 5 k              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C15MEG        | 5 M              | 20                               | 10                               | 10                                | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1SW100K      | 100 k            | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1SW10K       | 10 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 19,05 [2.00]                | 9,53 [0.375]                  | yes            | unassembled       |

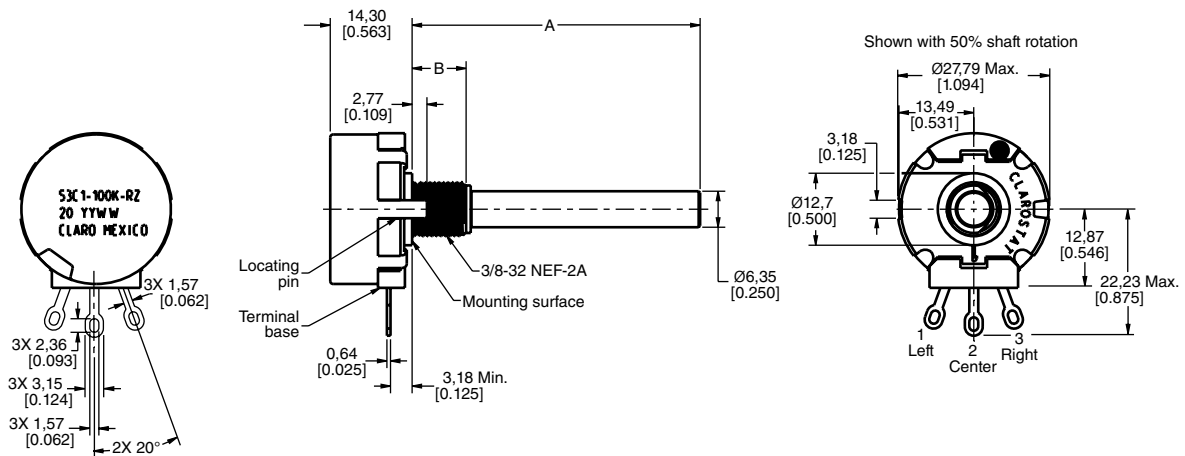
(Continued on next page.)

# 53C Series Order Guide

Table 53C1 Order Guide (continued)

| Catalog Listing | Electrical       |                                  |                                  |                                   |                                              |                                       |       | Mechanical                   |                                 |                           |            | Dimensions                  |                               | RoHS Compliant | Mounting Hardware |
|-----------------|------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------------------|---------------------------------------|-------|------------------------------|---------------------------------|---------------------------|------------|-----------------------------|-------------------------------|----------------|-------------------|
|                 | Resistance (Ohm) | Resistance Tolerance ( $\pm\%$ ) | End Resistance at CW, Max. (Ohm) | End Resistance at CCW, Max. (Ohm) | Effective Electrical Rotation, Typ. (Degree) | Electrical Rotation, $\pm 3$ (Degree) | Taper | Mechanical Rotation (Degree) | Operating Torque (mN m [in-oz]) | Stop Torque (N m [in-lb]) | Shaft Seal | A<br>Shaft Length (mm [in]) | B<br>Bushing Length (mm [in]) |                |                   |
| 53C1100KZ       | 100 k            | 10                               | 1 k                              | 4                                 | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C110KZ        | 10 k             | 10                               | 100                              | 4                                 | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C11MEGZ       | 1 M              | 20                               | 10 k                             | 10                                | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1250KZ       | 250 k            | 10                               | 2.5 k                            | 10                                | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C125KZ        | 25 k             | 10                               | 250                              | 4                                 | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1500KZ       | 500 k            | 10                               | 5 k                              | 10                                | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C150KZ        | 50 k             | 10                               | 500                              | 4                                 | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C15KZ         | 5 k              | 10                               | 50                               | 4                                 | 274                                          | 312                                   | Z     | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |
| 53C1-100K-RZ    | 100 k            | 10                               | 1 k                              | 4                                 | 274                                          | 312                                   | RZ    | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 50,8 [2.00]                 | 9,53 [0.375]                  | yes            | unassembled       |

Dimensional Drawings (For reference only: mm [in].)

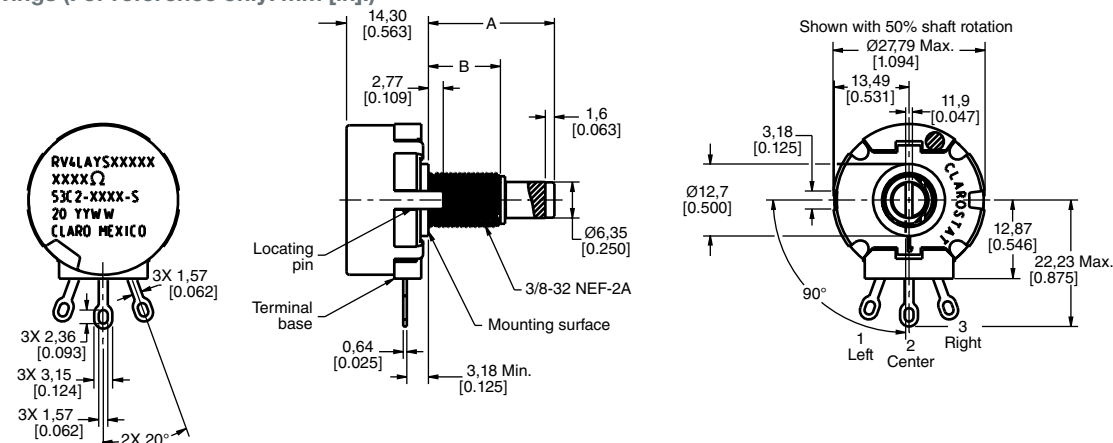


# 53C Series Order Guides

Table 53C2 Order Guide

| Catalog Listing | Electrical       |                           |                                  |                                   |                                              |                                  |       | Mechanical                   |                                 |                           |            | Dimensions             |                          | RoHS Compliant | Mounting Hardware |
|-----------------|------------------|---------------------------|----------------------------------|-----------------------------------|----------------------------------------------|----------------------------------|-------|------------------------------|---------------------------------|---------------------------|------------|------------------------|--------------------------|----------------|-------------------|
|                 | Resistance (Ohm) | Resistance Tolerance (±%) | End Resistance at CW, Max. (Ohm) | End Resistance at CCW, Max. (Ohm) | Effective Electrical Rotation, Typ. (Degree) | Electrical Rotation, ±3 (Degree) | Taper | Mechanical Rotation (Degree) | Operating Torque (mN m [in-oz]) | Stop Torque (N m [in-lb]) | Shaft Seal | Shaft Length (mm [in]) | Bushing Length (mm [in]) |                |                   |
| 53C2100         | 100              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C2100K        | 100 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C210K         | 10 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C21500        | 1.5 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C2150K        | 150 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C215K         | 15 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C21K          | 1 k              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C21MEG        | 1 M              | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C22.5MEG      | 2.5 M            | 20                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C220K         | 20 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C2250         | 250              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C22500        | 2.5 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C2250K        | 250 k            | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C225K         | 25 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C22K          | 2 k              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C22MEG        | 2 M              | 20                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C23.5MEG      | 3.5 M            | 20                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C250          | 50               | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C2500         | 500              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C2500K        | 500 k            | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C250K         | 50 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C25K          | 5 k              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |
| 53C25MEG        | 5 M              | 20                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 15,88 [0.625]          | 12,7 [0.500]             | no             | unassembled       |

## Dimensional Drawings (For reference only: mm [in.] )



# 53C Series Order Guide

Table 53C3 Order Guide

| Catalog Listing | Electrical       |                           |                                  |                                   |                                              |                                  |       | Mechanical                   |                                 |                           |            | Dimensions                  |                               | RoHS Compliant | Mounting Hardware |
|-----------------|------------------|---------------------------|----------------------------------|-----------------------------------|----------------------------------------------|----------------------------------|-------|------------------------------|---------------------------------|---------------------------|------------|-----------------------------|-------------------------------|----------------|-------------------|
|                 | Resistance (Ohm) | Resistance Tolerance (±%) | End Resistance at CW, Max. (Ohm) | End Resistance at CCW, Max. (Ohm) | Effective Electrical Rotation, Typ. (Degree) | Electrical Rotation, ±3 (Degree) | Taper | Mechanical Rotation (Degree) | Operating Torque (mN m [in-oz]) | Stop Torque (N m [in-lb]) | Shaft Seal | A<br>Shaft Length (mm [in]) | B<br>Bushing Length (mm [in]) |                |                   |
| 53C3100         | 100              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3100K        | 100 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C310K         | 10 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3150         | 150              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C31500        | 1.5 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3150K        | 150 K            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C315K         | 15 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C31K          | 1 k              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C31K/NEW      | 1 k              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C31MEG        | 1 M              | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C32.5MEG      | 2.5 M            | 20                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3200K        | 200 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C320K         | 20 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3250         | 250              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C32500        | 2.5 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3250K        | 250 k            | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C325K         | 25 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C32K          | 2 k              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C32MEG        | 2 M              | 20                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3350         | 350              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C33500        | 3.5 k            | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C350          | 50               | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3500         | 500              | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3500K        | 500 k            | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3500K/NEW    | 500 k            | 10                        | 10                               | 10                                | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C350K         | 50 k             | 10                        | 4                                | 4                                 | 274                                          | 312                              | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |

(Continued on next page.)

# 53C Series Order Guide

Table 53C3 Order Guide (continued)

| Catalog Listing | Electrical       |                                  |                                  |                                   |                                              |                                       |       | Mechanical                   |                                 |                           |            | Dimensions                  |                               | RoHS Compliant | Mounting Hardware |
|-----------------|------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------------------|---------------------------------------|-------|------------------------------|---------------------------------|---------------------------|------------|-----------------------------|-------------------------------|----------------|-------------------|
|                 | Resistance (Ohm) | Resistance Tolerance ( $\pm\%$ ) | End Resistance at CW, Max. (Ohm) | End Resistance at CCW, Max. (Ohm) | Effective Electrical Rotation, Typ. (Degree) | Electrical Rotation, $\pm 3$ (Degree) | Taper | Mechanical Rotation (Degree) | Operating Torque (mN m [in-oz]) | Stop Torque (N m [in-lb]) | Shaft Seal | A<br>Shaft Length (mm [in]) | B<br>Bushing Length (mm [in]) |                |                   |
| 53C35K          | 5 k              | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C35MEG        | 5 M              | 20                               | 10                               | 10                                | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C3750K        | 750 k            | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |
| 53C375K         | 75 k             | 10                               | 4                                | 4                                 | 274                                          | 312                                   | S-4   | 312                          | 1-6 [7-42]                      | 12 [1.4]                  | no         | 22,23 [0.875]               | 9,53 [0.375]                  | no             | unassembled       |

Dimensional Drawings (For reference only: mm [in].)

