Expanded Torque Selection Enhances Position-Control Hinge Flexibility

Southco expanded its line of CEMA E6 constant torque position control hinges to provide greater torque-control functionality across a range of applications—industrial and electronics enclosure doors, contoured headrests for automotive and airplane seats, and LCD display screens found on medical or industrial equipment. The ability to position and hold doors, displays, or other components without gas struts or secondary mechanical supports, helps to reduce component and manufacturing costs, and differentiate product designs. The 200 Series hinges are available in symmetric torque formats ranging from 0.9 N*m (8 in-lbf) to 1.8 N*m (16 in-lbf), and in asymmetric torque formats between 0.8 N*m (7.2 in-lbf) and 2.3 N*m (20 in-lbf). The 400 Series hinges are available in symmetric torque formats ranging from 1.8 N*m (8 in-lbf) to 3.4 N*m (30 in-lbf), and in asymmetric torque formats between 1.4 N*m (12 in-lbf) and 4.5 N*m (40 in-lbf). Cycle testing has shown these models to perform within +20% of their nominal torque specification for more than 20,000 cycles, allowing them to provide consistent performance without maintenance, service or adjustment. The 200 Series hinges feature aluminum construction and provide strong positioning torque in a lightweight package. The larger 400 Series hinges offer even greater strength and positioning torque. Both styles incorporate hardened steel shaft and torque elements and are O-ring sealed for long-lasting durability. The standard hinges in these two lines are provided with black powder-coated finish, but are also available in other optional finishes. They are rated for an operating temperature range spanning from -20°C to 65°C (-4°F to 150°F).
Southco
610-459-4000, www.southco.com [1]

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