Esterline
Control & Communication Systems

Janco® Rotary Selector Switches

Compact and reliable rotary switching solutions, featuring:

- Choice of indexing and positions
- Multiple decks and poles
- Concentric and axial motions
- Optional wiring / connectors

Janco Series A miniature switches engineered for aerospace and other demanding applications

Janco rotary selector switches are complex, miniaturized electromechanical systems designed to meet or exceed MIL-DTL-3786 requirements. They offer a choice of many configurations with different indexing angles, multiple decks, and multiple poles per deck, to implement a wide range of truth-table logic functions.

With so many choices, selecting the right rotary switch is not simple. This sheet provides a basic orientation to Janco Series A switches, to help you use our online product request form at www.esterline.com/controlsystems/Janco. Once we understand your requirements, we can recommend the most appropriate solution.

	Degrees of indexing	Number of positions / Poles per deck	Series compatibility
	15°	24 positions / 1 pole per deck 12 positions / 2 poles per deck 8 positions / 3 poles per deck 6 positions / 4 poles per deck 4 positions / 6 poles per deck	6-1900 series
	20°	18 positions / 1 pole per deck	12-1900 series
	22°	16 positions / 1 pole per deck 8 positions / 2 poles per deck 4 positions / 4 poles per deck	3-1900 series
	30°	12 positions / 1 pole per deck 6 positions / 2 poles per deck 4 positions / 3 poles per deck 3 positions / 4 poles per deck 2 positions / 6 poles per deck	1905 series
	36°	10 positions / 1 pole per deck 5 positions / 2 poles per deck	1900 series
	45°	8 positions / 1 pole per deck 4 positions / 2 poles per deck	1906 series
	60°	6 positions / 1 pole per deck	50-1926 series
	90°	4 positions / 1 pole per deck	51-1921 series

Janco Series A miniature rotary selector switches

Mechanical

Note: specific values depend on the configuration. Please consult us or visit our website for details.

Torque	Typical range is 3-5 inch-pounds for 1-5 decks and 5-8 inch-pounds for 6 or more decks
Length	Typical length is approx. 1 inch for a one-deck switch, with 0.31 - 0.41 inch for each additional deck
Weight	Typical range is 0.12 - 0.37 pound for a one-deck switch, with 0.03 - 0.07 pound for each additional deck

Electrical

Rating	Continuous 10 Amps at 28 VDC
Make and break (10,000 cycles)	Exact values depend on the configuration. Typical values are: 5 Amps resistive at 115 VDC 3 Amps resistive at 28 VDC 2 Amps inductive at 28 VDC

Special Options

Series A units are available with:

- Isolated or guarded positions
- Momentary positions
- Concentric shafts
- Output wires and connectors

Two closely related product series are also available:

- Series AA includes Series A units with modular stops, with indexing of 15, 22, 30, 36, and 45 degrees.
- Series AC offers Series A units built into an enclosed module assembly, with indexing of 30, 36, 45, 60, and 90 degrees.

To use our online product request form for Janco Series A rotary switches, visit www.esterline.com/controlsystems/Janco.

You may also call us at 888-361-3366 or email janco.sales@esterline.com.

Environmental

We can meet the following environmental specifications. Explosion-proof and totally sealed configurations are available.

Altitude	To 70,000 feet
Explosion proof	MIL-STD-202, Method 109
Moisture resistance	MIL-STD-202, Method 106
Panel seal	MIL-DTL-3786, 15 psig pressure MIL-S-22710, Method II 10 psig vacuum
Salt spray	MIL-STD-202, Method 101, Test Condition B
Sand and dust	MIL-STD-202, Method 111, Test Condition B
Shock, high impact	MIL-STD-202, Method 207
Shock, medium	MIL-STD-202, Method 213, Test Condition I
Temperature range	-65° C to 125° C
Temperature life	MIL-DTL-3786, Temperature Life, Characteristic C MIL-S-22710, Temperature Life, Characteristic D
Thermal shock	MIL-STD-202, Method 106, Test Condition B
Vibration	MIL-STD-202, Test Condition B

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